

Chapter 9

City of Rancho Cordova Stormwater Quality Improvement Plan



9.1 Introduction

The Rancho Cordova (City) Stormwater Quality Improvement Plan (SQIP) provides information about the City's Stormwater Management Program (stormwater program), including a description of activities conducted to ensure compliance with the Sacramento Areawide NPDES Municipal Stormwater Permit (Stormwater Permit), of which Rancho Cordova is a permittee. The City's activities described in this chapter are conducted in addition to the regional Partnership activities implemented jointly with the other permittees as described in Chapter 2. The required certification for the SQIP is presented in the front of this entire document.

Background

Rancho Cordova incorporated on July 1, 2003 and soon thereafter became a permittee to the stormwater permit. Before that, the unincorporated area within the present City limits was covered under the County of Sacramento's stormwater permit.

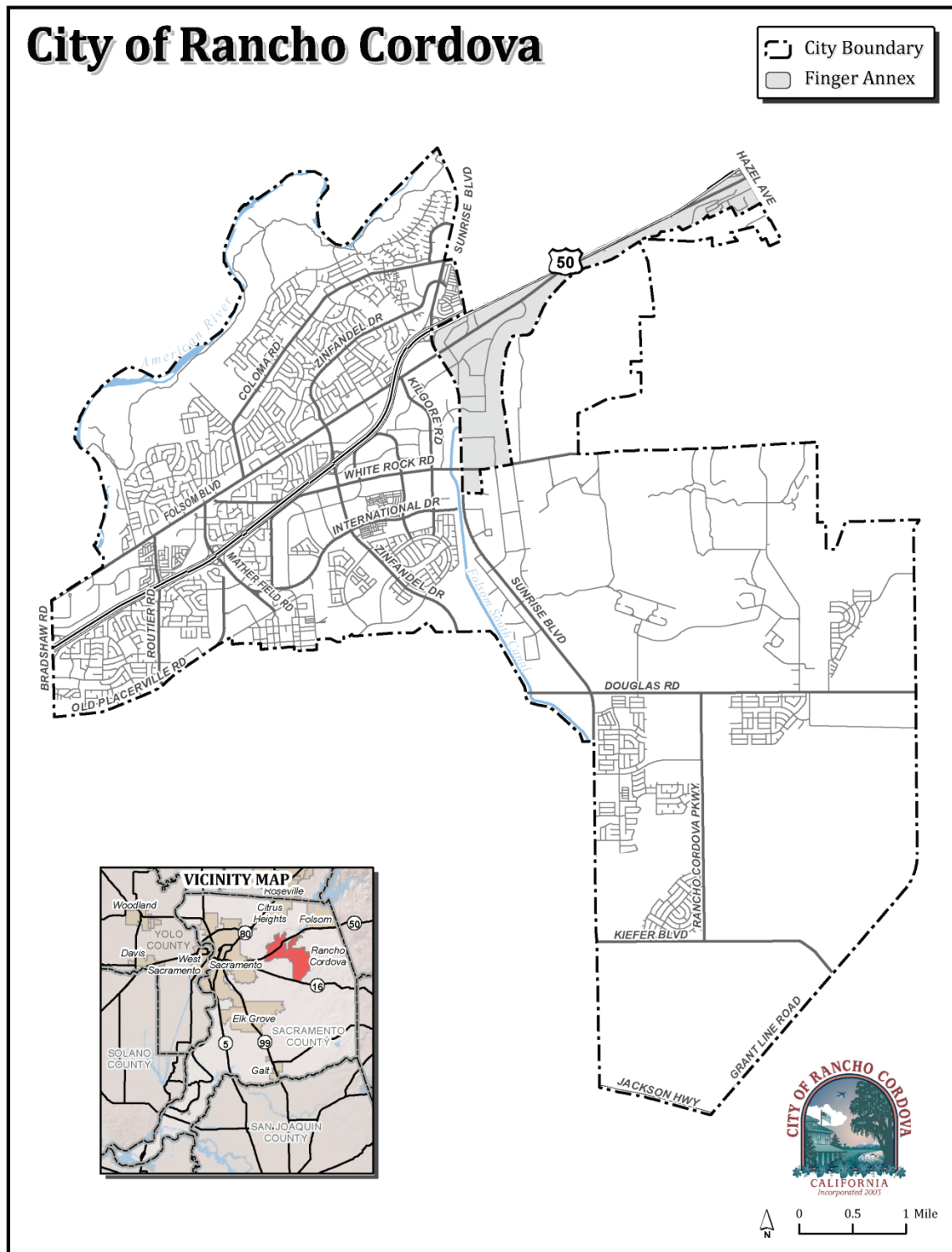
The stormwater permit is issued to Rancho Cordova and six other co-permittees (Sacramento County and the Cities of Citrus Heights, Elk Grove, Folsom, Galt and Sacramento) by the Central Valley Regional Water Quality Control Board (Regional Water Board). Collectively, the group is known as the Sacramento Stormwater Quality Partnership (Partnership). The Stormwater Permit was originally issued in 1990 and has been renewed three times since then: in 1996, 2002, and most recently in 2008 (2008-13 permit term).

Implementation of the activities described in the SQIP is intended to satisfy the provisions of the Stormwater Permit. Those provisions were established to reduce pollutants in stormwater discharges to the maximum extent practicable and comply with receiving water objectives.

City of Rancho Cordova Characteristics

Rancho Cordova is located in Sacramento County, along Highway 50 approximately 12 miles east of downtown Sacramento. The city boundaries are shown in Figure 9.1-1.

Figure 9.1-1
City of Rancho Cordova Map



The City's population was noted as just over 68,975 by the 2008 California Department of Finance, and is projected to grow to 310,568 when the General Plan area is built out in many years.

The City is approximately 33 square miles in size and is comprised of lands designated as residential (53%), commercial (14%), industrial (6%), agriculture (0%), open space (21%), and public (6%), according to the City's 2006 General Plan. Of these lands, more than half is currently in an undeveloped condition. A portion of the north boundary of the city is the American River, so a portion of the city in that area drains into the river. Land within the city also drains to two forks of Morrison Creek as well as Upper Laguna Creek.

Overview of Rancho Cordova's SQIP

This SQIP describes activities that Rancho Cordova will conduct in compliance with the stormwater permit. Modifications to the program may be necessary as the program evolves, and will be proposed in Annual Reports submitted to the Regional Water Board on October 1 each year. Following this introduction, there are seven sections in the chapter, to describe activities related to six major program elements, as follows:

Section 9.2: Program Management — A description of how Rancho Cordova's stormwater program is organized, legal authority, priorities and funding, and coordination both within the City and externally with the County and other programs and agencies.

Section 9.3: Construction Program Element — Activities designed to control the runoff of sediment and other pollutants from construction sites.

Section 9.4: Commercial/Industrial Program Element — Activities and control programs intended to reduce pollutants in discharges and effectively eliminate non-stormwater discharges associated commercial and industrial land uses.

Section 9.5: Municipal Operations Program Element — Activities intended to control stormwater pollution resulting from operation of City facilities and to set an example of model pollution prevention for the public.

Section 9.6: Illicit Discharge and Detection Program Element — Activities designed to effectively eliminate illegal non-stormwater discharges to the storm drainage system and receiving waters.

Section 9.7: Public Outreach Program Element — Activities intended to raise awareness and foster community stewardship to promote pollution prevention in the urban area and protection of local creeks and rivers.

Section 9.8: New Development Program Element — Activities mitigate water quality and quantity impacts from newly developing and redeveloping areas for the life of the project, after construction is complete.

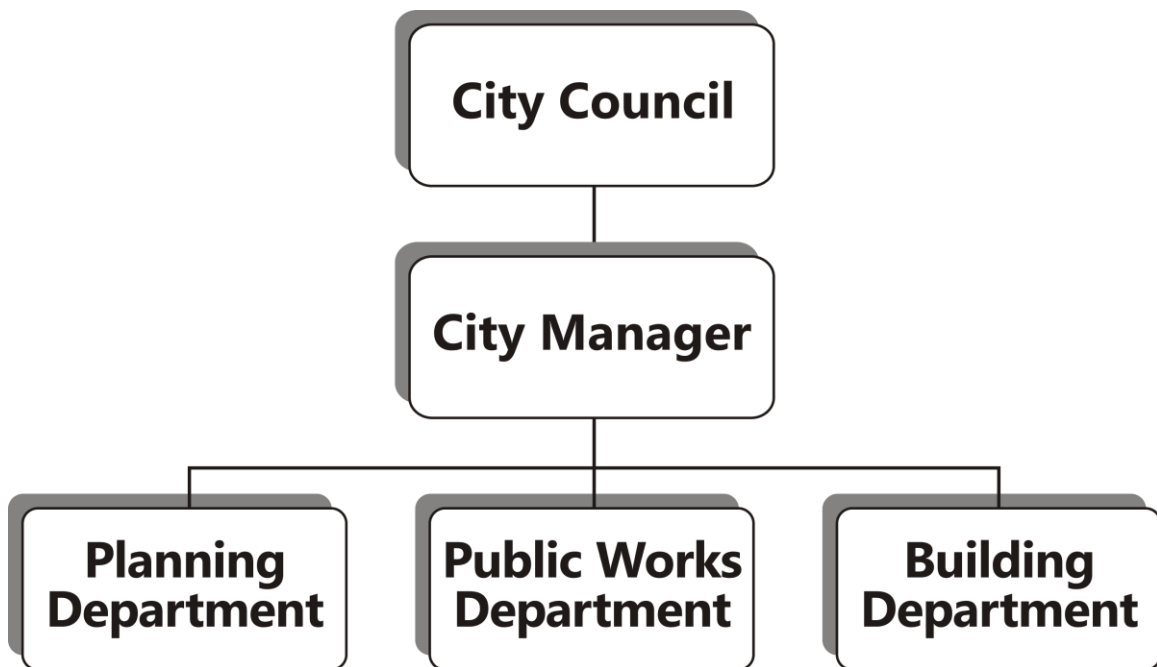
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9.2 Program Management

Program Organization and Staffing

The City of Rancho Cordova is a Council-City Manager form of government. As shown in Figure 9.2-1, there are three main departments involved in implementation of the City's Stormwater Management Program (stormwater program).

Figure 9.2-1
Rancho Cordova General Organization Related to Stormwater Management



The City of Rancho Cordova Stormwater Management Program resides within the Department of Public Works, and the Public Works Director is responsible for overseeing the program and certifying all compliance deliverables. The City Public Works Department has designated staff to conduct the management, engineering and maintenance activities required by the Stormwater Permit. The City's Planning Department provides planning and environmental review services for development projects, and the Public Works Department provides construction permitting and inspection services. Figure 9.2-2 shows the organizational structure of the stormwater program.

Due to the many aspects of the Stormwater Program, one representative from Public Works is responsible to ensure program success and dissemination of information to all affected managers and employees. The representative meets throughout the year with departments and staff throughout the city to discuss current issues and ensure all required activities are being performed in compliance with the Stormwater Permit and this SQIP.

Figure 9.2-2

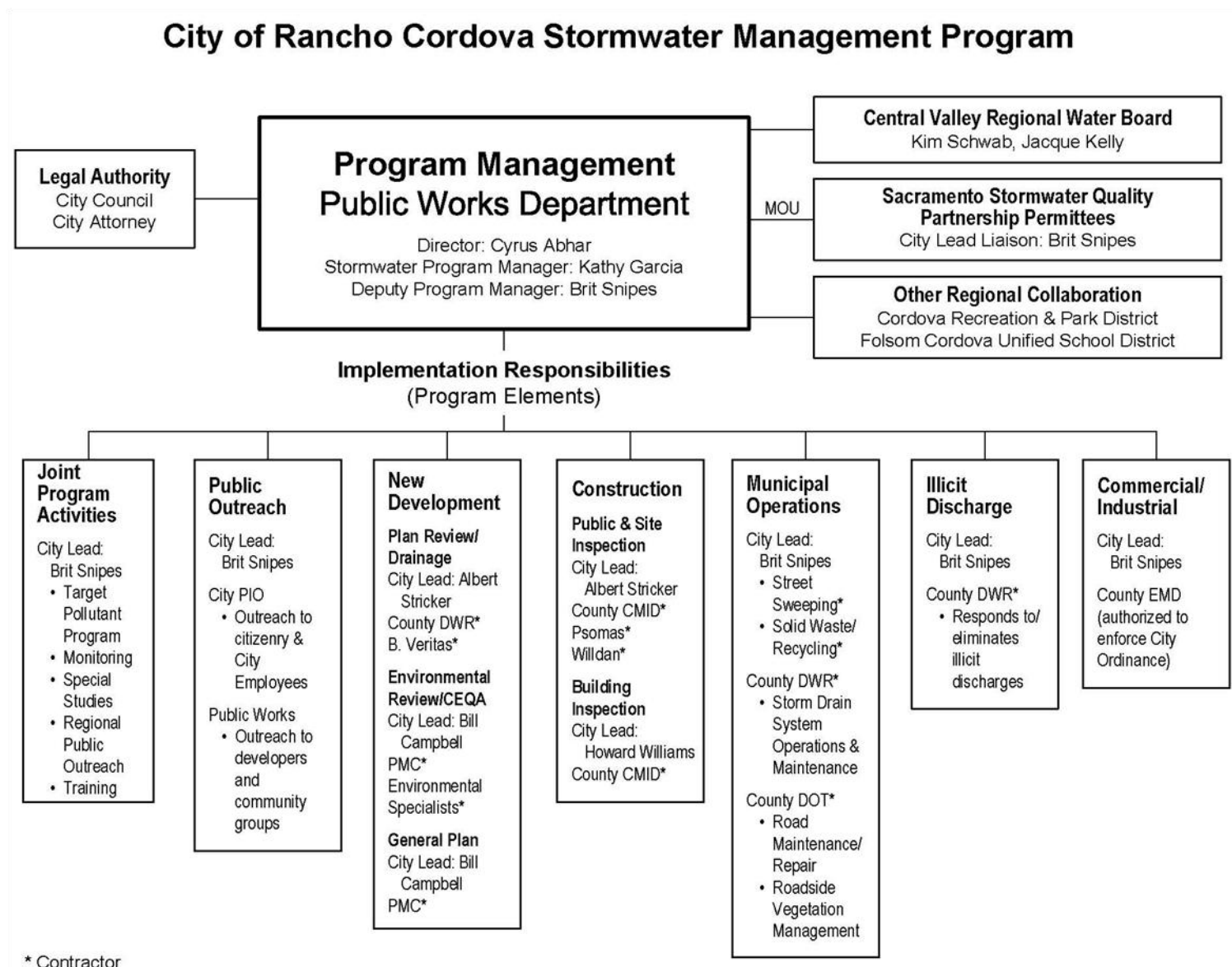


Table 9.2-1 provides the estimated allocation of City staff resources for the 2009-10 fiscal year in full time equivalent (FTE) increments. FTE staff estimates for staff in other departments related to Stormwater Permit compliance tasks are not shown on this table because these costs are not currently tracked in a separate charge/project number. Future changes to this information will be tracked in annual reports.

Table 9.2-1
Staffing for the Rancho Cordova Stormwater Program
(2009-10 fiscal year estimates)

Staff	FTE*
Principal Civil Engineer	0.30
Associate Civil Engineers	0.70
Administrative Assistant	0.30
Construction Inspector	0.30
Maintenance Coordinators	0.20
Building Inspection/permits	0.30
Total	2.1

*Full time equivalent

Figure 9.2-2 and Table 9.2-2 show and describe the division of responsibilities between the City and contractors for the various types of work required to comply with the Stormwater Permit. The City contracts various stormwater quality services to Sacramento County. When the City incorporated in 2003, it entered into an agreement with Sacramento County (Local Agency Formation Commission [LAFCo] Resolution 1243), that requires the County to provide Rancho Cordova the same level of and type of drainage and flood control services as provided in the unincorporated area. The City also contracts with others as shown on Figure 9.2-2 and Table 9.2-2.

Table 9.2-2. Responsibilities for Compliance with NPDES Stormwater Permit in Rancho Cordova

Program Element	Department/Group	Major Responsibilities
Program Management and Training (Section 9.2)	Public Works	Administers and manages the City Stormwater Program on behalf of the City. Provides liaison with the Regional Water Board and prepares/submits compliance reports.
	Admin Services	Conducts legal reviews, prepares legal certifications and oversees revisions to ordinances, codes and other standards.
	County Dept. of Water Resources/Stormwater Staff (under contract to City)	Assists with preparation of Stormwater Permit compliance deliverables; may represent Rancho Cordova at permittee coordination meetings.
Construction (Section 9.3)	Public Works	Issues grading permits and checks for NOI/SWPPP for all sites subject to State General Construction Permit.
	Public Works	Provides inspection services for public infrastructure, public buildings and private development. Inspection services include oversight of contractor compliance with City Stormwater and Grading Ordinances and State Construction General Permit.
	Public Works	Constructs and inspects all street and highway improvements located in the City, including lighting, landscaping and signals. Inspection services include oversight of contractor compliance with City Stormwater and Grading Ordinances and State Construction General Permit.
Commercial/Industrial (Section 9.4)	County Environmental Management Department (EMD) Environmental Compliance Program	According to an MOU with the City, EMD conducts inspections of all Permit-required industries in Rancho Cordova once every 3 years, and conducts related outreach, database management and reporting. Also see Chapter 2, Section 2.7 for more details.
	County EMD, Environmental Health Program	Conducts plan review, issues permits for and inspects food-related facilities in Rancho Cordova. Considers drainage issues that may be of concern to stormwater quality in all reviews and inspections.

Program Element	Department/Group	Major Responsibilities
	County EMD (Environmental Compliance Program)	Conducts plan review, issues permits for and inspects facilities that handle or store hazardous materials in Rancho Cordova. Considers drainage issues that may be of concern to stormwater quality in all reviews and inspections.
	County Dept. of Water Resources/Stormwater Staff (under contract to City)	Conducts complaint-based inspections in Rancho Cordova for businesses not covered by EMD. Works with BERC to conduct business outreach activities required by the Stormwater Permit. Also see Chapter 2, Section 2.7 for more details.
Municipal Operations (Section 9.5)	County Dept. of Water Resources/Drainage O&M (under contract to City)	Oversees maintenance of stormwater drainage system to ensure that system is maintained in manner that minimizes water quality impacts. Maintains creeks and channels within the City to remove accumulated debris and obstructions in order to make them hydraulically efficient to minimize over-bank flooding, bank erosion, and transport of pollutants.
	Public Works (Through contracts with various private vendors)	Maintains all street and highway improvements located in the City, including lighting, roadside ditches and signals. Responsible for ensuring that appropriate stormwater quality and erosion/sediment controls are incorporated.
	General Services/Facilities & Public Works	Manages City-owned buildings, parking lots and other facilities. Responsible for ensuring that activities at these facilities do not add to stormwater pollution.
	Cordova Parks and Recreation District	Constructs and maintains parks and recreational facilities within the city in a manner that complies with environmental regulations.
	Allied Waste Management (under contract to City)	Provides solid waste management services for residents and businesses in the City. Program emphasis is placed on waste prevention, recycling, and composting, which support the stormwater quality program goals.
Illicit Discharges (Section 9.6)	County EMD Environmental Compliance Program (Hazmat) OR Metro Fire District	Responds to hazardous materials spills in the City that may impact stormwater quality and receiving waters, including cleanup and proper disposal.
	Metro Fire District OR County DWR (see below)	Responds to non-hazardous spills, including cleanup and proper disposal.

Program Element	Department/Group	Major Responsibilities
	County Dept. of Water Resources/Drainage O&M (under contract to City)	Conducts ongoing field screening activities during routine maintenance of the storm drain system in Rancho Cordova. May respond to non hazardous spills, including cleanup and proper disposal.
	County Dept. of Water Resources/Stormwater Staff (under contract to City)	Conducts follow-up investigations to confirm/eliminate illicit discharges. Responds to calls from the public for situations in Rancho Cordova.
	Allied Waste Management (under contract to City)	Provides solid waste management services for residents and businesses in the City.
Public Outreach (Section 9.7)	Public Works	Provides public outreach to individual property owners and developers and handles calls from the public routed to the City. Provides volunteers to work in Partnership booths at some regional public events.
	County Dept. of Water Resources/Stormwater Staff (under contract to City)	Works with City of Sac to manage/conduct regional public outreach required by the Stormwater Permit, including a regional media campaign that addresses Rancho Cordova residents and businesses. Also see Chapter 2, Section 2.6 for more details.
New Development (Section 9.8)	Planning Department	Processes applications for private developments. Conducts CEQA reviews. Implements General Plan and Zoning code. Routes plans to Public Works to ensure that appropriate stormwater quality controls are incorporated.
	Public Works	Conditions development projects to ensure compliance with City drainage and stormwater quality standards, including establishing requirements for stormwater quality control measures.
	Public Works	Ensures that appropriate stormwater quality control measures are incorporated into design/construction of public projects in compliance with the Stormwater Permit.
	Public Works (w/consultant contracts)	Provides planning and design for all street and highway improvements located in the City, including addressing stormwater quality requirements.

Program Element	Department/Group	Major Responsibilities
Monitoring, Special Studies and Target Pollutant Reduction (Chapter 2)	Public Works	Reviews and certifies reports and compliance submittals; approves consultant contract decisions; processes payments to the City/County of Sacramento for consultant services according to the permittee cost-share MOU.
	County Dept. of Water Resources/Stormwater Staff (under contract to City)	Represents Rancho Cordova in permittee work group meetings to discuss these joint Program activities; reviews draft reports and compliance submittals; administers consultant contracts for the technical studies.

Legal Authority

Legal authority for Rancho Cordova’s stormwater program is provided in several ways:

- The City’s Municipal Code provides the basic legal authority to implement the program and enforce the local regulations,
- The General Plan contains water quality protection policies,
- The City uses the Sacramento County Standard Construction Specifications and Improvement Standards which describe requirements for development projects, and
- Agreements with the County and other permittees provide for a means of cost sharing to implement various portions of the program.

Additional detail about each form of legal authority is provided in this section. In addition, the City’s legal counsel has certified that adequate legal authority exists to implement and enforce the stormwater program in compliance with the stormwater permit. This certified statement is provided in Appendix 9A.

City Code

When the City incorporated in July 2003, it adopted the County ordinances in effect at the time, including any future amendments until the City otherwise adopts its own unique legal authority. Two County ordinances provide the main legal authority for the City’s stormwater program:

- Stormwater Management and Discharge Control Ordinance, also known as “The Stormwater Ordinance” (Chapter 15.12 of County and City of Rancho Cordova Municipal Codes) — Prohibits most non-stormwater discharges and lists non-stormwater discharges conditionally allowable (e.g., water from fire-fighting activities) pursuant to NPDES federal regulations. Provides legal authority to the County for inspections and enforcement related to control of illicit (unauthorized non-stormwater) discharges to the City storm drainage system and Morrison/Laguna Creeks.

- Land Grading and Erosion Control Ordinance (Chapter 16.44 of County and City of Rancho Cordova Municipal Codes) — Requires projects disturbing 350 cubic yards or more of soil or one or more acres of land to prepare an erosion and sediment control plan specifying best management practices (BMPs) for erosion and sediment control. Provides legal authority for inspections and enforcement needed on local construction sites to ensure compliance with the ordinance.

The full text of the City’s Municipal Code can be accessed at:

<http://www.codepublishing.com/CA/RanchoCordova/html/RanchoCordovaNT.html>

General Plan

Rancho Cordova’s General Plan, adopted in June 2006, includes a Natural Resources Element with various goals which result in direct or indirect protection of watershed resources and water quality. The General Plan and other development-related codes and standards can be accessed on the City’s web site:

<http://www.cityofranchocordova.org/> (see Planning Dept.)

Relevant sections of the City’s General Plan are summarized below:

Natural Resources Element

Goal NR.2: Preserve the City’s rich and diverse natural wetlands.

Goal NR.3: Preserve and maintain creek corridors and wetland preserves with useable buffer zones throughout the new development areas as feasible.

Goal NR.4: Encourage the planting and preservation of high-quality trees throughout the City.

Goal NR.5: Protect the quantity and quality of the City’s water resources.

Goal NR.8: Promote waste reduction, reuse, recycling, and composting efforts.

Each of the above goals has related policies and actions designed to implement that goal. For example:

Goal NR.3: Preserve and maintain creek corridors and wetland preserves with useable buffer zones throughout the new development areas as feasible.

- *Policy NR.3.1* - Coordinate with property owners and local interest groups, such as the Sacramento Urban Creeks Council, to restore, enhance, and preserve creeks in Rancho Cordova.
- *Policy NR.3.2* - In general, the City will encourage the preservation of existing location, topography, and meandering alignment of creeks. Where necessary, and if consistent with other City policies, the creation and realignment of creek corridors shall be constructed to recreate the character of the natural creek corridor. Channelization and the use of concrete within creek corridors shall not be supported.
- *Action NR.3.2.1* – Develop guidelines for channel creation or modification that will ensure channel meander, naturalized side slope, and varied channel bottom elevation are considered in design.

- *Action NR.3.2.2* – Adopt and implement improvement standards for soft bottom channels.

Interagency Agreements and Contracts

The City maintains agreements with several agencies and groups which help ensure compliance with the stormwater permit, as described in this section.

The City maintains an agreement with Sacramento County to perform various tasks required by the stormwater permit, as described in Table 9.2-2. These services are reimbursed as described in the next section (“Funding”). The City also contracts with several contractors to conduct services such as street sweeping and solid waste collection (see Table 9.2-2).

Legal authority for administering and implementing the Sacramento Stormwater Quality Partnership Program (Partnership Program) jointly with the other permittees will be provided through the Permittee Memorandum of Understanding (MOU). The MOU describes administrative roles and responsibilities for management of the Program and performance of regional activities, as well as cost-share arrangements. Costs for regional Partnership activities are based on population of each permittee and are therefore subject to change during the term of the stormwater permit. Refer to Chapter 2, Section 2.2 for more details on the MOU and Rancho Cordova’s percentage share.

An MOU was executed in 2004 between the City and the County Environmental Management Department (EMD) for conducting industrial and commercial inspection and enforcement services required by the stormwater permit. This agreement is discussed in more detail in Chapter 2, Section 2.7.

Funding

Funding for Rancho Cordova’s stormwater program comes primarily from Stormwater Utility fees collected and administered by the County on behalf of the City. The County will continue to use utility revenues to fund the activities it conducts on the City’s behalf and to pay Rancho Cordova’s share of the regional Partnership activities described in Chapter 2. The County will continue to reimburse the City for stormwater quality services performed by City staff or outside contractors. Budget details will be provided each year in the annual report.

In addition to revenues derived from Stormwater Utility fees, the County collects fees from developers through development impact fees, some of which are used to fund stormwater-related activities. For example, development impact fees fund plan checking for drainage and stormwater-related features, erosion and sediment control inspections during construction, and are used to reimburse developers for the construction of stormwater infrastructure, including stormwater quality facilities such as detention basins. The County will continue to collect these fees during the 2008-2013 permit term on the City’s behalf, for development projects in Rancho Cordova.

Fees are also collected by County EMD from many industries and businesses in the City to fund inspection services. Inspections are conducted to verify compliance with environmental and health laws, including stormwater quality regulations.

Finally, the City uses its developer fees, Road Fund and building permit fees to cover salaries and other administrative activities which are required to ensure compliance with the Stormwater Permit.

Recordkeeping and Reporting

The City will prepare and submit the following documents to the Regional Water Board each year, in compliance with the stormwater permit:

- Annual Work Plan (May 1) – describes proposed activities and budget for coming fiscal year (July 1 – June 30).
- Annual Report (October 1) – describes activities conducted during the previous fiscal year, including compliance with performance standards and the stormwater permit. Proposes revisions to the Stormwater Quality Improvement Plan.

Records and data will be collected from all responsible City departments and groups each summer to prepare the Annual Report. The County will assist in compiling and describing information for the activities it conducts on the City's behalf.

The City's stormwater program staff will maintain stormwater permit compliance files at City Hall, including all documentation necessary to demonstrate compliance with the permit. As required, the City will retain copies of all records and reports from the date of generation for at least five years.

Training for City Staff and Contractors

The City will ensure that all City staff and contractors involved in or affected by stormwater permit compliance activities receive annual refresher training as required by the stormwater permit. County staff working on the City's program are trained as described in Chapter 3, Section 3.2.

Staff will be informed and educated about the stormwater permit and its impacts on their positions and responsibilities. Training will cover the following types of topics:

- General storm water quality awareness objectives: where storm water goes, how it becomes polluted, and how to prevent pollution.
- Background regulatory information appropriate to the audience.
- Information on stormwater quality compliance targeted to the staff's area of specialty, e.g., inspection, planning, engineering.
- How to report/refer observed problems in the field.

- Information about enforcement and penalties appropriate to the audience.

Coordination with Other Agencies and Programs

Sacramento Stormwater Quality Partnership

Permittee Steering Committee meetings are held approximately monthly to discuss topics such as:

- Implementation of regional Partnership activities, such as monitoring, target pollutant reduction and some public outreach.
- Status of consultant contracts and work products related to monitoring and development standards.
- Funding of activities conducted by others that benefit the Partnership, such as the development of statewide BMP manuals by the California Stormwater Quality Association (CASQA).
- Overall program evaluation and assessment.
- Proposed modifications to the SQIPs and/or stormwater permit.

The City Engineer/County Stormwater Program Manager, or his/her designee will represent Rancho Cordova at these meetings.

Outside Agencies

The City coordinates with several local and regional agencies (over which it lacks jurisdictional control) in order to ensure city-wide compliance with the stormwater permit:

- Caltrans - owns and maintains several Hwy 50 interchanges impacting the City
- Cordova Parks & Recreation District – owns and operates almost 30 parks, 16 of which are in the city
- Folsom Cordova and Elk Grove Unified School Districts - own and operate various schools in the City (see list in Section 9.7) and will construct new schools in the future.
- Regional Transit - owns and operates the Light Rail line that travels through Rancho Cordova.
- Sacramento Area Sewer District (formerly CSD-1) – owns and operates the sanitary sewer collection system in the City.
- Sacramento Regional County Sanitation District (SRCSD) - owns and operates the interceptor collection system and wastewater treatment plant, to which the City's sanitary sewage is delivered.
- Sacramento Metropolitan Fire District – conducts fire and hazardous materials spill response operations in the city

- Sacramento Municipal Utility District (SMUD), Pacific Gas & Electric and other local utilities - own private utilities in the public right of way and have maintenance easements to repair/replace facilities
- Three local water districts: Golden State Water Agency, Cal American Water Agency and Sacramento County Water Agency (Zone 40) - own and operate drinking water treatment and distribution system for City residents.
- Sacramento County (Regional Parks) - owns the portion of the American River Parkway bordering the northern border of the City.
- US Bureau of Reclamation (USBR) - owns and operates the Folsom South Canal.

Other Stormwater Programs

The city supports coordination and networking with other stormwater programs within California in order to share information and identify opportunities to work together. This effort is facilitated by the City and County of Sacramento, through their active participation in CASQA.

Activities for the 2008-13 Stormwater Permit Term

Table 9.2-3 at the end of this chapter summarizes the activities that will be conducted for this program element during the 2008-13 permit term, along with associated performance standards, effectiveness assessment methods and a five-year implementation schedule. The table was developed to demonstrate compliance with various provisions of the Stormwater Permit, as indicated on the table.

This section describes the planned activities in more detail.

Recordkeeping and Reporting

SQIP

Following the submittal of this April 2009 SQIP, the City will revise the SQIP based on Regional Water Board comments and/or comments received during the 30-day public review process conducted by the Regional Water Board. From then on, proposed modifications to the SQIP will be included in the annual reports, as required by the Stormwater Permit.

Annual Report and Annual Work Plan

As required by the stormwater permit, the City will submit an Annual Report by October 1st of each year detailing the activities accomplished and the quantitative data compiled during the previous fiscal year (July 1 -June 30). The report will be prepared using a standardized reporting format created in coordination with the other permittees.

By May 1st of each year, the City will submit an Annual Work Plan that details the activities proposed for the coming fiscal year.

The City and County of Sacramento will take the lead in submitting Regional Partnership Work Plans and Annual Reports to describe activities such as monitoring conducted jointly by all the permittees in the Partnership. Refer to Chapter 2 for additional information about regional Partnership activities.

Report of Waste Discharge (ROWD)

As required by the stormwater permit, the City will work with the other permittees to prepare a Report of Waste Discharge for submittal to the Regional Water Board 180 days prior to expiration of the current permit (submittal date March 15, 2013). The ROWD will include a revised SQIP, legal authority certification and long term effectiveness assessment, as required by the stormwater permit.

Permittee Memorandum of Understanding (MOU)

During the 2009-10 fiscal year, the City will sign the updated Sacramento Stormwater Quality Partnership MOU which defines cost-sharing, permittee roles, decision making, information sharing and reporting. See Chapter 2, Section 2.2 for more details.

Legal Authority*Update Codes and Standards*

As discussed previously, the City adopted both the County's Stormwater Ordinance and Land Grading and Erosion Control Ordinance upon incorporation. The City will adopt any amendments made by the County during the 2008-13 permit term to either ordinance to provide adequate authority needed to enforce requirements of the 2008 stormwater permit. This will be accomplished within one year of the Regional Water Board's approval of the SQIP, as specified in the Stormwater Permit. In addition, the City will adopt any amendments to the County's Standard Construction Specifications and Improvement Standards, as discussed in Section 9.3 of this SQIP.

The City will continue to require the local development community to utilize the May 2007 *Stormwater Quality Design Manual for Sacramento and South Placer Regions* and will ensure that City planners and engineers attend training workshops related to implementation of the new manual. If conflicts arise between the criteria in the manual and the City's codes, the City will amend codes or recommend adjustments to the manual. The City will work with the County and other permittees to update the design manual to integrate LID and Hydromodification requirements, as discussed in Section 9.8.

Incorporate Water Quality Principles into General Plan Update

The City's new General Plan was adopted in 2006 and water quality protection policies were added (see discussion earlier in this section). Major updates are not anticipated during the 2008-13 permit term.

Legal Authority Certifications

The legal authority certification by Rancho Cordova's legal counsel is included in this SQIP as Appendix 9A. Another certification will be prepared for submittal with the Report of Waste Discharge (ROWD) in March 2013, as required by the Stormwater Permit.

Fiscal Analysis

Each year, through the City budgeting process, a fiscal analysis will be performed to ensure resources are available and allocated to carry out the proposed activities necessary for stormwater permit compliance. Projected budgets for each coming fiscal year will be presented in the Annual Work Plans (May 1), and actual expenditures for the previous fiscal year will be reported in the Annual Reports (October 1).

Intra and Interagency Coordination

The City will coordinate internally to ensure all affected City staff, management and elected officials are aware of Stormwater Permit requirements and related program efforts.

The City Stormwater Program Manager or his/her designee will attend permittee Steering Committee meetings.

The City Stormwater Program Manager or his/her designee will participate with other permittees on various work groups and subcommittees that have been formed to address specific activities, such as monitoring, target pollutants, and special studies.

The City will coordinate with other outside agencies during the 2008-13 permit term when multi-jurisdictional issues arise. These agencies may include Caltrans, US Army Corps of Engineers, US Fish and Wildlife Service, and the California Department of Fish and Game, among others.

Training for City Staff

Training is an important aspect of Rancho Cordova's Stormwater Program. Each year, all affected personnel and managers will be educated on the requirements of the Stormwater Permit relevant to their daily work. The training may be in the form of in-house meetings and briefings or external training conducted by the Partnership or others. For example, each year, City construction inspectors will be encouraged to attend one of the wet season training workshops conducted by the Partnership.

City elected officials and managers will be kept apprised of Stormwater Program activities and issues through briefings and interoffice memoranda.

Effectiveness Assessment

The City will work with the other permittees to assess the effectiveness of the overall stormwater program as described in Chapter 2, Section 2.3. This approach is based on guidance provide by CASQA in its *Effectiveness Assessment Guidance* document (2007). In addition, the City will evaluate the effectiveness of its own program management activities related to permit compliance, as described in Table 9.2-3. This assessment will be done each summer during preparation of the annual report, and recommendations for program improvements or modifications will be made based on the results.

For this program management element, most activities have Level 1 effectiveness outcomes; this requires annual documentation that activities have been conducted as required by the stormwater permit. Level of effort (e.g., number of meetings attended) and resources expended (staff hours or costs) may also be tracked (also outcome level 1). The exception to this is training. During the 2008-2013 permit term, the City (or the County, on the City's behalf) will use quizzes, surveys and/or follow-up meetings with selected groups to assess the knowledge level of trained staff with a goal of increasing awareness (outcome level 2). These tasks are described in the various program element sections (9.3-9.8) of this chapter.

The City will contribute resources (per the permittee cost-share MOU) to the long term effectiveness assessment required by the stormwater permit (due with ROWD on March 15, 2003).

9.3 Construction Element

The goal of the Construction Element is to reduce the discharge of sediment and construction-related pollutants to the City's storm drain system and local creeks (e.g., Upper Morrison and Upper Laguna) to the maximum extent practicable.

A great deal of new construction has been taking place in Rancho Cordova in recent years, but has slowed in 2009 due to economic conditions. However, building is expected to pick up again at some point during the 2008-13 permit term. It is anticipated that growth will continue mainly in residential and commercial land uses, with construction of associated parks and schools.

Construction Element Strategy

The construction element applies to private as well as public construction projects, including those also requiring coverage under the State's Construction General Permit. For the most part, the focus for inspection and enforcement activities is on land disturbing activities of one acre or more. However, smaller sites must also comply with the City's Stormwater Ordinance (discussed in Chapter 9.2) and smaller site operators are educated and informed about ways to prevent erosion and pollution problems.

The City has adopted the County's Land Grading and Erosion Control Ordinance, which requires a grading permit and erosion and sediment controls on all private projects disturbing 350 cubic yards or more of soil or one or more acres of land. Public project (federal, state and local) and projects by special districts and private utilities are not subject to the grading ordinance, but are subject to the City's Stormwater Ordinance, which prohibits the discharge of sediments and other construction-related pollutants to the City storm drainage system. Collectively, these ordinances provide the authority necessary for the city and county inspectors to address threatened and actual discharges of pollutants from construction operations.

With adequate legal authority as a foundation, the City's strategy for controlling discharge of construction-related pollutants includes plan review and permitting, inspection and enforcement and outreach and education. The City contracts with the County and several consulting firms to provide trained staff to implement these activities in Rancho Cordova. The City coordinates with the County and the other permittees to conduct education and outreach for the local construction community.

Intra and Interagency Coordination

The City's Engineering and Building and Safety Divisions within Public Works conduct meetings during the wet season (approximately biweekly) and meetings during the dry season (approximately monthly) to discuss stormwater issues. Coordination between Public Works and other departments (e.g., Planning) related to stormwater quality controls for construction projects is done on a project basis through written correspondence and regular meetings related to specific projects. Since the City is small and staff are located in the same building, formal agreements are not necessary.

The City coordinates with the other permittees to present a consistent, uniform message to the construction and development communities, since construction work is often multi-jurisdictional. For example, the City utilizes the same standard construction specifications and improvement standards as the County.

City inspectors assist the Regional Water Board in its enforcement of the Construction General Permit by enforcing compliance with comparable local ordinances, checking SWPPPs for the permit-required items during permit application, following up on referrals by the Regional Water Board, and referring site operators who do not have coverage under the Construction General Permit, but appear to need coverage.

Accomplishments to Date

Since becoming a permittee to the stormwater permit in 2003, Rancho Cordova has made several notable accomplishments related to the construction element:

- Adopted the Rancho Cordova Municipal Code, including the adopted County ordinances discussed previously, to provide the City legal authority to eliminate construction-related pollutant discharges into its storm drain system.
- Adopted the County's standards and specifications for construction, including standard erosion and sediment control drawings.
- Developed and implemented procedures to require proof of Notice of Intent (NOI) to comply with the Construction General Permit as a condition of obtaining grading permits for projects disturbing one acre or more.

Activities for the 2008-13 Permit Term

Table 9.3-1 at the end of this chapter summarizes the activities that will be conducted for the Construction Element during the 2008-13 permit term, along with associated performance standards, effectiveness assessment methods and a five-year implementation schedule. The table was developed to demonstrate compliance with Provision 8 of the Stormwater Permit.

This section describes the planned activities in more detail.

Legal Authority

To promote consistency, the City will coordinate with the County to evaluate existing legal authority to determine any amendments needed to satisfy the provisions of the 2008 Stormwater Permit and to reflect the State Water Board's new Construction General Permit, adopted September 2, 2009 (effective July 1, 2010). Necessary amendments will then be adopted. As required by the stormwater permit and indicated on Table 9.3-1, this will be accomplished within one year of the Regional Water Board's approval of the SQIP.

Plan Review and Permitting

The City's Building and Safety Division will continue to conduct plan review and issue grading permits for construction projects in Rancho Cordova for conformance with applicable County ordinances, codes and standards described previously. Improvement plans will be checked for inclusion of erosion and sediment control (ESC) plan sheet(s) to satisfy the requirements. This ESC plan will be checked in the field by the City inspector during construction. During the planning stage, projects will also be checked to verify that any other applicable environmental permits have been obtained from Dept. of Fish and Game (1600 Streambed Alteration Agreement), US Army Corps of Engineers (404 permit) and Regional Water Board (401 Certification).

In addition to satisfying all applicable local permitting requirements, private and public projects in Rancho Cordova disturbing one or more acres of land are required to obtain coverage under the State's Construction General Permit. Prior to issuing a grading permit, the City will continue to verify that a State-required Notice of Intent (NOI) was filed and will check the Stormwater Pollution Prevention Plan (SWPPP) for six items required by the stormwater permit.

The City uses standards and specifications adopted by the County to describe requirements for BMPs at construction projects to control sediment and other pollutants. All erosion and sediment control plans for projects in Rancho Cordova are checked for conformance with the standards and specifications.

To promote consistency, the City will coordinate with the County to evaluate existing codes, standards, specifications and training programs and determine necessary updates to be consistent with the State Water Board's new Construction General Permit, adopted September 2, 2009 and effective July 1, 2010. Necessary amendments will then be made. The rainy season workshops offered in fall 2009 will inform agency staff and the local construction community about the new permit to help facilitate compliance.

Pollution Control at City-Owned Construction Projects and Other Projects Not Subject to City's Permitting Process

All City construction projects will be subject to the same ordinances and standards as private projects. Provisions will be included in design and construction contract specifications to require compliance. City project managers or their consultants will obtain coverage under the State's Construction General Permit for projects disturbing one acre or more. City inspectors will inspect and conduct enforcement for these projects as described later in this section.

The City lacks jurisdictional control over projects that may be constructed in Rancho Cordova by federal and state agencies, private utilities, special districts (e.g., schools, RT, parks) and other agencies; therefore, such projects are not subject to the City's plan review and permitting process. However, the projects will be subject to the City's Stormwater Ordinance. The City will coordinate with these agencies on a project basis to ensure compliance with the Stormwater Ordinance and to verify coverage as required by the State's Construction General Permit.

Track/Inventory Active Construction Projects

The City will continue to maintain a database to track public and private active construction sites and will use this information to schedule/prioritize inspections and develop annual reports.

Inspection and Enforcement

Rancho Cordova will continue to conduct inspections of all construction projects in the City to ensure compliance with the requirements set forth in the City's ordinances, codes, standards and specifications. Inspection services may be contracted out to the County and/or private firms. This work includes checking erosion and sediment control BMPs for compliance with the ESC plan in the improvement plans and verifying that projects disturbing one acre or more have coverage under the State's Construction General Permit. Suspected Construction General Permit non-filers and repeat offenders will be referred to the Regional Water Board.

The City will continue to prioritize sites as either "high" or "moderate" threat to water quality and inspects according to this schedule:

- High priority sites – inspected twice monthly during the wet season (October 1 – April 30) and monthly thereafter.
- Moderate priority sites – inspected monthly throughout the year.

New projects will be assumed to be high priority until successive inspections demonstrate that they can be downgraded to moderate priority. The criteria for making this determination will include factors such as: project size, amount and nature of site activity, sensitive site conditions (e.g., proximity to a creek, steep slopes or erosive soils), and history of prior violations by the contractor(s).

Progressive enforcement action will be taken by the construction inspectors when violations of local ordinances are observed, including discharge of sediments and other construction-related pollutants to the storm drain system or local creeks. Rancho Cordova uses the enforcement procedures described in the stormwater and land grading ordinances.

Outreach and Education

The City will continue to provide education and guidance to both City staff, covering topics such as: current regulations and changes, local procedures and standards, BMPs, new technology, and inspection and maintenance practices.

The City will support Partnership-sponsored wet season and other training events for the construction community (developers, contractors, engineers, designers) as well as those hosted by local groups such as the Building Industry Association (BIA) upon request. This coordinated training is cost-effective and will help promote consistency for the local construction community (which works throughout the Sacramento area, across various municipal lines) and create stronger ties with professional organizations.

Various forms of educational materials will be distributed in different methods, depending on the target audience and message. Typical formats will include training workshops, brochures, and guidance documents and standards. Education will also be provided through the entitlement and plan check process, building permit process, preconstruction meetings, and inspection.

Rancho Cordova will continue to contribute funding (through the permittee cost-share MOU) for the development and production of Partnership outreach materials such as brochures for concrete and painting, printed in English and Spanish.

Effectiveness Assessment

The general approach to assessing the effectiveness of the stormwater program and individual program elements is described in Chapter 2. Table 9.3-1 describes the assessment methods the City will use to more specifically evaluate the construction program element activities during the 2008-13 permit term. The goal will be to move toward outcome levels 2 and 3 (changing awareness and behavior, respectively, of the regulated construction community) for some tasks. The remaining tasks will continue to be evaluated at outcome level 1 (documenting and confirming permit compliance).

Key indicators have been selected for various tasks to demonstrate progression towards overall stormwater program goals for this particular element. A summary of the status of key indicators will be used to assess overall program effectiveness in the annual reports.

Effectiveness assessment results will be presented in the annual reports and may be used to recommend modifications to the SQIP.

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9.4 Commercial/Industrial Element

The goal of the Commercial/Industrial Element is to reduce the discharge of stormwater pollutants to the maximum extent practicable and to effectively eliminate illegal non-stormwater discharges from commercial and industrial facilities and operations in Rancho Cordova.

Commercial/Industrial Element Strategy

Rancho Cordova contracts with others to most effectively perform some of the activities required for this program element.

The City has a MOU with Sacramento County EMD to conduct triennial inspections as required by the stormwater permit of over 300 commercial/industrial facilities in Rancho Cordova (see Table 9.4-1). The majority of these facilities are restaurants; however, Rancho Cordova is fairly industrialized, as shown on Table 9.4-1, compared to other small cities in the Partnership such as nearby Folsom. The EMD MOU authorizes trained and qualified EMD inspectors to conduct inspections and issue enforcement actions, using the legal authority provided by the City's Stormwater Ordinance. EMD also passed a fee ordinance in 2004 which authorizes the agency to recover costs from the industrial and commercial facilities inspected so that the City's other funding sources are not unduly burdened. The work performed by EMD on the City and other permittees' behalf is described in Chapter 2 (Section 2.7).

Table 9.4-1. Commercial/Industrial Facilities in Rancho Cordova Subject to EMD Inspections (2008 data)

Commercial/Industrial Category	No. Facilities (2008)
Auto body shops	16
Auto repair shops	43
Auto dealers	8
Equipment rental facilities	0
Kennels	2
Nurseries	0
Retail gasoline outlets (i.e., gas stations)	18
Restaurants	155
Facilities covered by the State's Industrial General Permit	60
Total	302

The City contracts with the County to conduct complaint-based inspections of other businesses within the city. See Chapter 3, Section 3.4 for details. Rancho Cordova and other permittees contract with the Business Environmental Resource Center (BERC) to conduct outreach to targeted local businesses in each of their jurisdictions. This work, which is described in Chapter 2 (Section 2.7), includes maintaining and updating a database of businesses receiving the outreach materials each year.

Intra and Interagency Coordination

The City signed an MOU with EMD to conduct stormwater compliance inspections on its behalf as described previously. The City participates in meetings with the other permittees and EMD to discuss the permit-required inspection program, resolve problems and identify improvements. EMD coordinates with the other permittees, BERC and various business groups and trade associations during the course of implementing the program. Additional details about this coordination are contained in Chapter 2, Section 2.7.

The County takes care of all other coordination needed for conducting the activities described in this section on the City's behalf; this work is covered by the City/County agreement for services that was executed when the City incorporated in 2003.

Accomplishments To Date

Refer to Chapter 2, Section 2.7 for a description of accomplishments to date.

Activities for the 2008-13 Permit Term

The following information briefly describes the activities conducted by County EMD, County DWR and BERC on the City's behalf. Refer to Chapter 2 (Section 2.7) and Chapter 3 (Section 3.4) for additional details, including tables that show proposed activities, performance standards, assessment methods and the five-year implementation schedule.

Legal Authority

The City will continue to maintain its Stormwater Ordinance, which was amended during the last permit term to provide legal authority to the EMD and the County for regulating commercial businesses and industries in Rancho Cordova with respect to stormwater pollution. As specified by the Stormwater Permit, the Stormwater Ordinance will be evaluated within one year of SQIP approval to ensure there is adequate authority to enforce all permit requirements, and necessary amendments will be made; see Section 9.2.

Priority Industry Identification

The industries and commercial business categories subject to EMD stormwater compliance inspections were listed in Table 9.4-1. The businesses subject to targeted outreach by BERC are mainly mobile operations without a fixed base of operation. These are the same business categories that were targeted during the 2002-08 permit term. See Chapter 2, Section 2.7 for more details.

Triennial Industrial Stormwater Compliance Inspections

EMD will continue to conduct triennial inspections at priority industrial facilities in Rancho Cordova (see Table 9.4-1) and conduct associated enforcement and education, on the City's behalf. The first cycle of inspections was completed in June 2007 and the second cycle will be completed in June 2010. EMD will continue to maintain its database and generate monthly violation reports, as well as all the required information for the Rancho Cordova Annual Reports.

Refer to Chapter 2, Section 2.7 for more information.

Complaint-Based Stormwater Compliance Inspections

County DWR stormwater staff will inspect other businesses not addressed by EMD's program described above within the City of Rancho Cordova on a complaint basis. Refer to Chapter 3, Section 3.4 for more information.

Educational Outreach

BERC will conduct outreach to targeted businesses within Rancho Cordova, under contract to the Partnership. Outreach will be conducted with businesses considered potential temporary or intermittent sources of unauthorized non-stormwater discharges and/or stormwater pollution. Most of the businesses (e.g., carpet cleaners, pressure washers) are mobile operations without a single base of operation, so they are difficult to track. Educational materials will also be distributed via City and County public counters, through trade associations and industry suppliers, and at workshops and other events.

Refer to Chapter 2, Section 2.7 for more information.

Effectiveness Assessment

The general approach to assessing the effectiveness of the stormwater program and individual program elements is described in Chapter 2. Chapter 2 (Section 2.7) and Section 3.4 in the County's SQIP describe the assessment methods EMD, the County (on the City's behalf) and BERC will use to more specifically evaluate the commercial/industrial program element activities conducted during the 2008-13 permit term. Effectiveness assessment results will be presented in the annual reports and may be used to recommend modifications to the SQIP.

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9.5 Municipal Operations Element

The Municipal Operations Element specifies activities for controlling stormwater pollution which may occur during operation of city-owned facilities in Rancho Cordova, to keep pollutants from entering storm drains and local creeks and rivers. City-owned facilities include public buildings, parking lots, roads, bridges, landscape medians, storm drains and drainage ways. The City has no jurisdictional control over facilities and operations managed by parks and school districts, the sewer district, water purveyors and private utilities.

Typical municipal activities include solid waste hauling and disposal; hazardous and recycling waste collection, storage and disposal; vehicle and equipment washing and maintenance, pipe, channel and basin maintenance and repair/replacement, street cleaning, street overlays and repairs, vegetation management and graffiti abatement. Municipal operations activities will be conducted in a manner that does not inadvertently contribute pollution to local waterways. Another important goal is to set the example of model pollution prevention for the public.

Municipal Operations Element Strategy

The City's strategy for controlling stormwater pollution from City facilities and operations involves maintaining a good inventory of the operations, training affected employees, and ensuring good communication/coordination between City departments and with contractors to provide technical assistance, evaluate program effectiveness, and resolve issues in a collaborative way.

These combined efforts help ensure that City designers, contract administrators, and operations and maintenance staff understand, implement, and demonstrate compliance with the stormwater permit in order to reduce stormwater pollution to the maximum extent practicable.

Inventory of City Operations and Related Stormwater Activities

The following is an inventory of the City-owned facilities and operations addressed by this element:

Buildings– The City owns and operates City Hall, the Killgore Cemetery and building, and associated parking lots. Building and parking lot maintenance is contracted to offsite vendors. The City does not own a fleet storage or corporation yard.

Corporation Yard - The City does not own a corporation yard. County crews conducting maintenance on behalf of the City use the County Bradshaw Corporation Yard, as discussed in Chapter 3, Section 3.5.

Storm Drain System

Piped storm drain system – As of summer 2008 there are over 100 miles of piped storm drains and 5 associated pumps in the city (as reported in the 2007/08 annual report). Due to new development, there are new facilities being added all the time. The annual reports will provide an updated inventory each year. Storm drain pipe and associated drain inlets

and manholes in the city are maintained by the County DWR, as described in Chapter 3, Section 3.5.

Storm drain inlets – As of summer 2008 there were 5020 storm drain inlets and 2552 manholes in the city (as reported in the 2007/08 annual report). Due to new development, there are new facilities being added all the time. The annual reports will provide an updated inventory each year. Older storm drain inlets in the city have been marked with “No Dumping-Drains to Creek” messages. County maintenance crews check the legibility of the markings during routine maintenance activities and replace any that are damaged or missing (see Chapter 3, Section 3.5). New storm drain inlets installed in the city are required to have a permanent “No Dumping” message; this is verified by the City inspectors during construction.

Channels and creeks – 35 miles of manmade drainage channels and natural creeks are maintained by the County on the City’s behalf (as reported in the 2007/08 annual report). This includes portions of Morrison and Laguna Creeks, and various unnamed tributaries.

Detention basins – As of summer 2008, there are three water quality/flood control detention basins in the city. The basins are operated and maintained by the County on behalf of the City. According to drainage master plans, as many as 18 additional detention basins could be constructed as the area develops. More basins, and other types of stormwater quality control measures are expected in the future as well, due to new development. The annual reports will provide an updated inventory each year.

Transportation Facilities

Curbed Streets – Approximately 8880 curb miles of curbed streets are cleaned by a vendor under contract with Public Works (as reported in the 2007/08 annual report).

Roads and Roadside Vegetation - About 190 centerline miles of roads and associated roadside vegetation are maintained in the City by the County Department of Transportation (as reported in the 2007 Draft SQIP).

City-owned parking lots – The City owns about 4.5-acres of parking lots exposed to rainfall at City Hall and the Killgore Cemetery; parking lot maintenance is contracted to offsite vendors. There are no other City-owned parking lots.

Animal services – the City’s Animal Services Department uses the County facility in the Bradshaw area.

Finally, the city contracts with County Sheriff for staffing of the City’s Police Department. There is one nearby command center near Mather, but no fleet maintenance or washing is performed there.

City parks – 16 parks within the City are operated and maintained (including vegetation and waste management) by the Cordova Parks and Recreation District.

State, Federal and Special District Agency Facilities and Activities

The city's activities under the Municipal Operations Element do not address facilities or operations by federal or state governmental agencies (e.g., Caltrans), private utilities (e.g., SMUD), the sewer and water districts, school districts, and other special districts and agencies listed in Section 9.2. These agencies and activities are outside of the City's jurisdictional control and are not covered by the City's stormwater permit. City stormwater inspectors are authorized to issue enforcement actions to the operators of such facilities if discharges from the facilities contribute pollution to the city-owned storm drain system or local creeks within the city, in violation of the City's Stormwater Ordinance.

Intra and Interagency Coordination

The City coordinates with the other permittees to share information, strategies, and recommended practices related to operation and maintenance of City-owned facilities.

The City coordinates with special districts (listed previously in Section 9.2) on a project basis to make sure that measures are in place to protect the City's storm drain system and local creeks and rivers.

Accomplishments To Date

Since becoming a permittee to the stormwater permit in 2003, Rancho Cordova has made several notable accomplishments related to the Municipal Operations Element:

- Compiled the inventory of City-owned facilities and operations. The inventory helps with tracking activities and the City updates the inventory each year for the annual report.
- Established contracts needed to complete municipal operations activities, including contracts with Sacramento County DWR, a waste hauler, a street cleaning contractor and various maintenance vendors.
- Established routines for collecting and compiling data to assess activities and document regulatory compliance (e.g., County and City staff routinely log the quantity of pipes, channels, basins, storm drain inlets, manholes, and roadways cleaned.) This information is tallied and presented in annual reports.
- Through the Partnership, supported the County's development of the *River Friendly Landscaping Guidelines* (2007) and associated *Homeowners' Guide* (2008). This program won the 2008 Environmental Leadership award from the Sacramento Environmental Commission.

Activities for 2008-13 Permit Term

Table 9.5-1 at the end of this chapter summarizes the activities that will be conducted for the Construction Element during the 2008-13 permit term, along with associated performance standards, effectiveness assessment methods and a five-year implementation schedule. The table was developed to demonstrate compliance with Provision 10 of the Stormwater Permit.

This section describes the planned activities in more detail. The City contracts with County DWR to conduct some of the activities for this program element. Those activities are summarized very briefly below; see Chapter 3, Section 3.5 for more details about County activities.

Illicit Discharge Response

The County, on behalf of the City, will respond quickly to all incidents where an illicit discharge threatens to enter or enters the storm drain system. See Section 9.6 and Chapter 3, Section 3.6 for a description of these activities.

Stormwater Pollution Control for Construction and Development of City-Owned Projects

Construction and development of City projects (e.g., new facilities, widened roadways) will be subject to the same requirements applying to private construction and development projects, as described in Sections 9.3 and 9.8.

Facility Management

Maintenance of Buildings

The only facilities owned by the City are City Hall and the Killgore Cemetery building, and the only potential for stormwater pollution at those locations is the parking lot runoff. The parking lot maintenance activities described later in this section are designed to minimize discharge of pollutants.

The City's activities do not address leased facilities and associated parking areas.

Integrated Pest Management

The City's contractors (including the County) will implement IPM procedures as described in the Pesticide Plan developed by the Partnership and approved by the Regional Water Board. Pest control operations contracted by the City relate to City-owned buildings (City Hall and Killgore Cemetery; maintained by private maintenance contractors) and vegetated roadside medians in the City (maintained by the County). The City has no jurisdiction over pest control associated with maintenance of parks and open space in the city.

The City intends to follow the County's IPM policy; see Chapter 3, Section 3.5 for more discussion about the County policy.

The City will promote and distribute the award-winning River Friendly Landscaping Guidelines and associated Homeowners' Guide to residents and landscape contractors doing work in the City.

Storm Drain System Maintenance

Maintenance of the Piped Storm Drain System

The City will continue to contract with the County DWR to conduct these services on the City's behalf. The County will employ the same procedures they use for cleaning their own system. Refer to Chapter 3, Section 3.5 for this information.

Maintenance of Creeks and Channels

The City will continue to contract with the County DWR to conduct these services on the City's behalf. The County will employ the same procedures they use for cleaning their own system. Refer to Chapter 3, Section 3.5 for this information.

Maintenance of Detention Basins

The County will continue to operate and maintain detention basins in Rancho Cordova on behalf of the City. The County will employ the same procedures they use for cleaning their own basins. Refer to Chapter 3, Section 3.5 for this information.

Storm Drain Inlet Marking

County maintenance crews will continue to check the legibility of existing storm drain stencils and markings during routine maintenance activities and replace any that are noted as damaged or missing as soon as practicable. The city planners, engineers and field inspectors will continue to verify that new storm drain inlets installed in new developments include a permanent "No Dumping" message.

Operation and Maintenance of Transportation Facilities

Prioritized Street Sweeping for Curbed Streets

The City will continue to contract with a vendor for street sweeping of curbed streets. A copy of the street sweeping map and schedule is provided as Appendix 9B.

Inspection and Maintenance of City-Owned Parking Lots

The City will continue to contract with a vendor for cleaning of City-owned parking lots associated with City Hall and Killgore Cemetery. Monthly maintenance activities will include trash/debris removal, vacuum sweeping; and pressure washing of any oil stains, involving collection and proper disposal of the waste water.

Maintenance of Roads and Roadside Vegetation

The City will continue to contract with the County Department of Transportation to conduct these services on the City's behalf. The County will employ the same procedures they use for maintaining their own roadway system. Refer to Chapter 3, Section 3.5 for this information.

Waste Management Services

The City will continue to contract with a contractor for curbside collection of residential solid and green waste, general recycling and used motor oil in the city. The contractor does not have any storage/staging yards or facilities within the city. They take wastes to a central transfer facility located outside the city limits, and from there the wastes are transported to a Class III landfill.

Rancho Cordova residents will be able to continue to take household hazardous wastes to one of the two regional transfer stations operated by the City and County of Sacramento. The City pays for this service (set fee per vehicle) to make it free and as convenient as possible for residents. See Chapter 3, Section 3.5 and Chapter 4, Section 4.5 for descriptions of the facilities.

Operation and Maintenance of City Parks

The Cordova Recreation and Park District will continue to manage the 16 parks within the city limits and plan, construct and maintain any new parks built as the city develops. The City has no jurisdictional control over this special district, but will coordinate with the district to ensure that pollutants are not discharged to the City's storm drain system or local creeks due to the Park District's operations.

Employee and Contractor Training

Training for County employees conducting work in the city is described in Chapter 3, Section 3.5. City contractors are responsible for training their own personnel to comply with environmental regulations, including the City's stormwater ordinance.

Effectiveness Assessment

The general approach to assessing the effectiveness of the stormwater program and individual program elements is described in Chapter 2. Table 9.5-1 describes the assessment methods the City will use to more specifically evaluate the municipal operations program element activities which it conducts. Assessment activities to be conducted by the County on the City's behalf are described in Chapter 3, Section 3.5. The goal will be to move toward outcome levels 2 and 3 (changing awareness and behavior, respectively, of the city and County employees and contractors) for some tasks. The remaining tasks will continue to be evaluated at outcome level 1 (documenting and confirming permit compliance).

Key indicators have been selected for various tasks to demonstrate progression towards overall stormwater program goals for this particular element. A summary of the status of key indicators will be used to assess overall program effectiveness in the annual reports.

Effectiveness assessment results will be presented in the annual reports and may be used to recommend modifications to the SQIP.

9.6 Illicit Discharge Element

The goal of the Illicit Discharges Element is to reduce the discharge of stormwater pollutants to the maximum extent practicable and to effectively eliminate prohibited non-stormwater discharges. Any material dumped or discharged into the City's storm drain system eventually makes its way to a local creek and/or river, where it can impair beneficial uses. This is true whether the material is classified as hazardous or not. Water quality, habitat, recreation and aesthetics are all examples of benefits that can be impacted.

The storm drain system consists of a network of drain inlets, manholes and piping, as well as streets, sidewalks, gutters and roadside ditches, which discharge to local creeks and rivers. Stormwater runoff from driveways, parking lots, roof drains and other surfaces typically discharge into this system.

Two kinds of discharges are addressed by this element:

- *Illegal dumping* – Dumping of liquid or solid wastes into the storm drain system. Examples include mobile carpet cleaning companies discharging dirty rinse water into a storm drain manhole, a homeowner dumping used motor oil into a storm drain inlet, or a person dumping garbage or other wastes into drainage channels and creeks.
- *Illicit connection* – A piped connection allowing sanitary sewage to flow into the storm drain system. For example, a washing machine plumbed into the storm drain system rather than the sanitary sewer.

Illicit Discharge Element Strategy

The City of Rancho Cordova contracts with Sacramento County to implement this program element within the city. The County's strategy includes legal authority, field screening, waste collection programs and outreach as follows:

- Maintain adequate legal authority to prohibit illicit discharges. Since Rancho Cordova adopted all County ordinances, prohibitions of illicit discharges such as oils, greases, paints, chemicals, dry cleaning waste, etc. into the storm drain system apply within the city in the same manner as they do in the County. City and County staff are authorized to enforce the ordinance within the city limits.
- Conduct ongoing field screening to detect illicit discharges and connections as a part of routine maintenance and repair of the storm drain system and local creeks, and enforcing against dischargers. The City contracts with County DWR for these services for the piped system, and with California Conservation Corps for the natural creek system.
- Provide convenient means for residents to dispose of solid and household hazardous wastes, to deter illegal dumping.
- Educate City staff, contractors and the public about how to identify and report illicit discharge problems. This effort includes educational materials, signage and training.

- Provide a hotline for public reporting of problems and responding in a timely manner. The City supports the regional stormwater hotline 808-4H20 for this purpose. In addition, the public can report illegal dumping on-line through the City’s web site.

Intra and Interagency Coordination

The City coordinates with the County through its contract with DWR for this program element. County crews conduct ongoing field screening for illicit discharges and connections as part of this work. They, in turn, will coordinate with other appropriate County departments to clean up and dispose of any polluted wastewater. If progressive enforcement action against the discharger does not eliminate the problem, the County will then coordinate with legal counsel.

The City coordinates with the other permittees in the Partnership to produce educational materials and messages designed to eliminate illicit discharges.

The City has a contract with a private waste hauler to provide solid waste collection services in the city, including curbside pickup of used motor oil. This helps reduce the amount of pollutants dumped into the storm drains. These activities were previously described in Section 9.5.

Accomplishments To Date

The following briefly describes accomplishments since 1990 related to this element. Refer to the County’s SQIP, Chapter 3, Section 3.6, for more information.

- In 2003 the City adopted the County’s Stormwater Ordinance, which makes most discharges to the storm drain system illegal (some exceptions are noted).
- 95% of storm drain inlets in the City were stenciled with the “No Dumping — Drains to Creek” message and all new inlets were permanently stamped with this message.
- In 2006, a new hotline, 808-4H20, began allowing callers to select Rancho Cordova and be routed to the County for assistance on City-related issues or complaints. The hotline is now widely advertised on all Partnership educational materials, media spots, and on the web site.
- Starting in 2004, the County created and annually updated an illicit discharges map to identify “hot spot” problem areas in Rancho Cordova requiring additional or more frequent investigations.

Activities for 2008-13 Permit Term

Table 9.6-1 at the end of this chapter summarizes the activities that will be conducted for the this program element during the 2008-13 permit term, along with associated performance standards, effectiveness assessment methods and a five-year implementation schedule. The table was developed to demonstrate compliance with Provision 11 of the Stormwater Permit.

This section describes the planned activities in more detail. The City contracts with County DWR to conduct some of the activities for this program element. Those activities are summarized very briefly below; see Chapter 3, Section 3.6 for more details about County activities.

Legal Authority

The City will maintain its Stormwater Ordinance and will adopt any amendments made by the County during the 2008-13 permit term to the Stormwater Ordinance to provide adequate authority needed to enforce requirements of the 2008 stormwater permit related to controlling illicit discharges. This will be accomplished within one year of the Regional Water Board's approval of the SQIP, as specified in the stormwater permit. Also see Section 9.2.

Reporting of Illicit Discharges

The City will continue to contribute funding to the Partnership's 808-4H20 hotline to facilitate public reporting of problems in the City.

Ongoing Field Screening to Detect Illicit Discharges and Connections

County maintenance crews will continue to be responsible for inspecting and maintaining the piped storm drain system, creeks and channels, and roads/roadside ditches in the City as part of routine maintenance activities. They will continue to be trained how to identify, clean up and/or refer and report observed incidents of illicit discharges. Follow-up will be conducted for any observed flows suspected of containing pollutants to attempt to trace the flow to its source and eliminate any unauthorized non-stormwater discharges. County crews will also respond to complaints from the public and referrals from County industrial inspectors, the Regional Water Board and others. Problems are addressed on an individual basis depending on the nature of the discharge. See Chapter 3, Section 3.6 for additional details.

Illicit Discharge Response, Containment and Clean-up

The County will continue to conduct response, containment and clean-up activities on behalf of the City to eliminate illicit discharges in Rancho Cordova. See Chapter 3, Section 3.6.

Enforcement

The County will continue to conduct enforcement on behalf of the City to eliminate illicit discharges in Rancho Cordova. See Chapter 3, Section 3.6.

Data Management

The County will continue to track data and update the Rancho Cordova illicit discharge map that shows the location of illicit discharges for identifying potential needs for further investigation or possibly outreach material. See Chapter 3, Section 3.6.

Solid Waste and Household Hazardous Waste Programs

Rancho Cordova will continue to contract with a private waste hauler to provide waste, recycling and green waste collection and disposal services for the city residents, as a means of deterring illegal dumping. This program includes curbside pickup of used motor oil and residents can also take household hazardous waste to one of two regional transfer facilities. See Section 9.5 for more detail. The City will continue to accept certain universal wastes (batteries, cell phones) at City Hall for disposal.

Education and Outreach

To educate the public, and to minimize illegal discharges of waste into the storm drain system, County maintenance crews will continue to maintain “no dumping-drains to creek” messages on all storm drain inlets in Rancho Cordova. Based on public and maintenance crew recommendations and the illicit discharges map, the County will recommend locations for signage at high priority areas and will create and install the signage.

Employee and Contractor Training

Training for County employees conducting work in the city is described in Chapter 3, Section 3.6. City contractors are responsible for training their own personnel to comply with environmental regulations, including the City’s stormwater ordinance.

Effectiveness Assessment

The general approach to assessing the effectiveness of the stormwater program and individual program elements is described in Chapter 2. Table 9.6-1 describes the assessment methods the City will use to more specifically evaluate the illicit discharge program element activities which it conducts. Assessment activities to be conducted by the County on the City’s behalf are described in Chapter 3, Section 3.6. The goal will be to move toward outcome levels 2 and 3 (changing awareness and behavior, respectively, of the city and County employees and contractors) for some tasks. The remaining tasks will continue to be evaluated at outcome level 1 (documenting and confirming permit compliance).

Key indicators have been selected for various tasks to demonstrate progression towards overall stormwater program goals for this particular element. A summary of the status of key indicators will be used to assess overall program effectiveness in the annual reports.

Effectiveness assessment results will be presented in the annual reports and may be used to recommend modifications to the SQIP.

9.7 Public Outreach Element

The goal of the Public Outreach Element is to raise awareness and foster community stewardship to help prevent pollution and protect local creeks and rivers.

Public Outreach Element Strategy

The City coordinates with the Partnership and the County to implement a wide range of activities to increase the knowledge of the community regarding the City's storm drain system, impacts of urban runoff on local creeks and rivers, and potential pollution prevention solutions for the targeted audiences. Refer to Chapter 2, Section 2.6 for this information. In addition, the City conducts a few activities locally as described in this section.

Target Audiences in Rancho Cordova

There are an estimated 68,875 residents in the City of Rancho Cordova. The City is served by two school districts: Folsom-Cordova and Elk Grove Unified. Together, these districts operate 12 elementary, three middle and two high school within the city. For the 2008-09 school year, the combined total student population in the city was estimated to be 8,800, with 3,200 students enrolled in grades 3-6 (this is a target audience for stormwater education).

In 2008 there were six homeowner associations in the city, although that number will grow as the city grows. There are also numerous faith-based, community and business associations represented in Rancho Cordova, including the Chamber of Commerce. The Cordova Community Council, founded in 1959, serves as a citizens' forum for discussing the future of Rancho Cordova. The group operates an informational web site for the public.

The local newspaper is called "The Grapevine" and the Sacramento Bee is the major newspaper serving the region and the City of Rancho Cordova. Other media includes T.V and radio stations that serve the greater Sacramento area.

Intra and Interagency Coordination

Managers in the City's Engineering Department in Public Works are responsible for administering the stormwater program and overseeing stormwater permit compliance. This group coordinates with City Council, the City Manager's office and other departments throughout the year to educate and share information.

Rancho Cordova coordinates with the other cities in the County on regional public outreach issues through the Partnership. Activities such as the regional media campaign are discussed, and agreements made, during permittee coordination meetings.

Accomplishments To Date

Chapter 2, Section 2.6, describes major accomplishments related to regional public outreach by the Partnership since 1990. In addition, the following describes a couple of key accomplishments made by the City since incorporation in 2003:

- The City participated in the Upper Laguna Creek Collaborative, a watershed-based planning process involving all the stakeholders in the upper watershed, and the Laguna Creek Watershed Council.
- The City launched the Strong Neighborhoods Initiative in January 2007, to foster City pride, increase property values and encourage residents to enhance their homes, streets and community. One activity conducted through this program is the Spring Neighborhood Cleanup, where City staff and volunteers work with a neighborhood on a beautification project.

Activities for 2008-13 Permit Term

Partnership Activities

See Chapter 2, Section 2.6 for detailed information about activities that will be conducted by the Partnership related to regional public outreach. Residents, businesses and students attending Rancho Cordova schools are addressed through those efforts.

City-Specific Activities

Table 9.7-1 at the end of this chapter summarizes the City-specific activities that will be conducted for the this program element during the 2008-13 permit term, along with associated performance standards, effectiveness assessment methods and a five-year implementation schedule. The table was developed to demonstrate compliance with portions of Provision 12 of the Stormwater Permit.

This section describes the planned activities in more detail.

- City Public Works staff will disseminate information and attend meetings with City managers throughout the permit term to keep them informed about the stormwater program. Presentations will be made to the City Council and/or Planning Commission upon request. City leaders will also be invited to participate in community events (described below and in Chapter 2, Section 2.6) to demonstrate support for the stormwater pollution prevention effort.
- The City will create a stormwater quality page on the City's web site to better address the stormwater pollution prevention program and provide links to the Partnership web site, inform the public how to report illegal dumping, etc.
- The City will continue to look for opportunities to include articles regarding stormwater pollution prevention in the Rancho Cordova "City Views" newsletter. In addition to being posted on the City's web site, it will be distributed via direct mail to every resident.
- Through the Strong Neighborhoods Initiative Program, the City will continue to target neighborhoods bordering creeks for the Spring Neighborhood Cleanup. The City will consider partnering this with Urban Creeks council's annual Creek Week creek cleanup days in April each year.
- The City will work with the County to sponsor and staff a stormwater booth at the annual Fourth of July city celebration.

- The City will continue to support and participate in the Upper Laguna Creek Collaborative. This group is preparing a master plan for protection of the creek in the undeveloped portion of the Laguna Creek Watershed as development proceeds.
- The City will continue to support and participate in the Laguna Creek Watershed Council events and meetings as budget allows.

Effectiveness Assessment

The general approach to assessing the effectiveness of the stormwater program and individual program elements is described in Chapter 2. Table 9.7-1 describes the assessment methods the City will use to more specifically evaluate its City-specific public outreach program element activities during the 2008-13 permit term. Assessments of regional public outreach activities will be conducted by the Partnership as described in Chapter 2, Section 2.6. In general, the goal will be to move toward outcome levels 2 and 3 (changing awareness and behavior, respectively, of dischargers and the public) for some tasks. The remaining tasks will continue to be evaluated at outcome level 1 (documenting and confirming permit compliance).

Key indicators have been selected for various tasks to demonstrate progression towards overall stormwater program goals for this particular element. A summary of the status of key indicators will be used to assess overall program effectiveness in the annual reports.

Effectiveness assessment results will be presented in the annual reports and may be used to recommend modifications to the SQIP.

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9.8 New Development Element

The goal of the New Development Element is to mitigate urban runoff pollution and other water quality impacts associated with new development and redevelopment.

The City of Rancho Cordova is positioned for rapid urban development upon lands generally located south of White Rock Road and east of Sunrise Boulevard. Approved prior to incorporation of the City, the Sunrise Douglas Community Plan, currently under construction proposes up to 22,000 homes at build out. The Rio del Oro, Suncreek, Westborough and The Preserve projects collectively propose an additional 43,000 homes and a variety of supporting and employment generating uses. As currently proposed, these projects would include 6,743 acres of residential uses, 920 acres of employment generating uses, 1,067 acres of public uses and 1,249 acres of habitat reserves.

The residential component of the Villages of Zinfandel project has been constructed and is also increasing the city's population. Development of the non-residential component is expected to continue for the next several years in the commercial and industrial sectors, with projects expected in the Mather Business Park, the Capital Center business park, and along major roads such as Folsom Boulevard and Sunrise Boulevard.

New Development Element Strategy

Development and redevelopment within Rancho Cordova will be mitigated with a combination of strategies such as: early site planning to limit sources of pollution, requiring installation of permanent post-construction stormwater quality facilities to treat runoff before it reaches the drainage system, and ongoing outreach activities through education and training. These activities and more are described in this section.

The City contracts with Sacramento County to provide some of the services described in this section (see Chapter 3, Section 3.8), and the City's Planning Department provides planning and environmental review services.

Intra and Interagency Coordination

The City contracts with the County for drainage and stormwater review services. The City also coordinates with the other permittees regarding regional activities such as the new Design Manual and hydromodification and low impact development (LID) standards, described more later in this section.

Accomplishments To Date

County Activities Prior to Incorporation

The area now served by the City of Rancho Cordova was covered by the Sacramento stormwater permit from 1990 until the City incorporated in 2003. Prior to incorporation, the County conducted planning and established and implemented stormwater controls for new development in this unincorporated area. Starting in the mid 1990s, the County began conditioning future projects via the master drainage planning process and development approvals to include water quality detention basins and other stormwater facilities.

Accomplishments Since 2003

- Upon incorporation, the City established a planning department to handle processing of development applications and environmental review. The City established a work plan agreement with the County to provide drainage and stormwater review services.
- In June 2006, the City adopted its first General Plan. The Plan includes a Natural Resources Element which features various goals, policies and actions intended to protect creek and water quality resources. The General Plan is discussed in more detail in Section 9.2. The City updated its CEQA initial study checklist and mitigation measure language to better address waters quality protection and stormwater pollution prevention.
- On the City's behalf, the County worked with the other permittees in the Partnership to create the new *Stormwater Quality Design Manual for the Sacramento and South Placer Regions*, continued to conduct special studies of BMP effectiveness, and conducted other activities. These accomplishments are described in more detail in Chapter 3, Section 3.8.
- Since about 2004, the County has been requiring and establishing maintenance covenants with property owners in Rancho Cordova to ensure long-term maintenance of new stormwater quality facilities.

Activities for 2008-13 Stormwater Permit Term

The stormwater permit requires that the permittees regulate new development and redevelopment projects so that they incorporate measures to mitigate associated stormwater quality impacts. In addition, the new permit requires a plan for mitigating the hydromodification impacts associated with new development in the permit area. When development occurs, it increases the volume and rate of runoff and therefore stream flow; these hydromodification impacts, in turn, can cause creek erosion and degrade habitat.

In addition, the stormwater permit requires the permittees to require all priority new development and redevelopment projects to incorporate low impact development (LID) measures. The developed criteria will be incorporated into the *Stormwater Quality Design Manual for the Sacramento and South Placer Regions*.

Table 9.8-1 at the end of this chapter summarizes the activities that will be conducted for this program element during the 2008-13 permit term, along with associated performance standards, effectiveness assessment methods and a five-year implementation schedule. The table was developed to demonstrate compliance with Provisions 13-26 of the Stormwater Permit.

This section summarizes the planned activities. The City contracts with County DWR and the Partnership to conduct many of the activities for this program element; therefore, see Chapter 3, Section 3.8 for more details.

Development-Related Ordinances, Plans, Policies and Procedures

Ordinances/Municipal Code

The City will continue to maintain the stormwater ordinance which provides adequate authority to establish new requirements for development projects. As discussed previously in Section 9.2, the ordinance will be evaluated (and amended if warranted) within 1 year of SQIP approval to ensure adequate legal authority to comply with the 2008 stormwater permit.

Plans, Policies and Procedures

The City's 2006 General Plan, described in Section 9.2, contains all the necessary policies to protect water quality in the City. The City Planning staff and Planning Commission will continue to ensure that these policies are applied to new and redevelopment projects approved in the city. Updates to the General Plan are not anticipated during the 2008-13 permit term.

Development Standards and Technical Guidance

Standards, Codes and Technical Guidance

Development projects in Rancho Cordova are conditioned by the County to comply with County stormwater quality and drainage development standards. The County will evaluate and amend its stormwater quality development standards to comply with new permit requirements during the 2008–13 permit term. Specifically, Hydromodification Management Plan (HMP) and Low Impact Development (LID) Criteria will be incorporated, as required by the stormwater permit, according to the schedule shown in Table 9.8-1, consistent with the County and other permittees.

Working with the Partnership, the *Stormwater Quality Design Manual* will be updated to include additional criteria for low impact development (LID) and hydromodification mitigation following the amendment of the development standards. The hydromodification criteria are discussed in the next section. Rancho Cordova will contribute funding through the permittee cost-share agreement for the update of the design manual. The City will also continue to contribute to the Partnership's efforts to update the protocol for acceptance of proprietary control measures; see Chapter 2, Section 2.4 for more details.

Stormwater quality requirements need to be coordinated with the City's zoning and building codes (such as those related to tree preservation/landscaping, water conservation, sanitary sewer and solid waste) in order to avoid conflict and overlap. As conflicts are noted between the stormwater standards and other codes, the City planning staff will initiate code amendments to resolve the conflict. Alternatively, changes will be proposed to the Design Manual to achieve better consistency.

Hydromodification Management Plan (HMP) and Low Impact Development (LID) Criteria

The City will work with the County and other permittees to satisfy the requirements of the stormwater permit with regards to the hydromodification management plan (HMP) and low impact development (LID). This includes contributing funding to regional HMP engineering studies necessary to develop HMP standards. Details about proposed work and implementation schedule are provided in the County's SQIP, Chapter 3, Section 3.8. Table 9.8-1 at the end of this section has been designed to be consistent with the County's work plan so that the City is committing to the same activities as the County and other permittees.

Waiver Program/Mitigation Fund

The stormwater permit allows the permittees to develop a waiver program/mitigation fund alternative for development projects where it is demonstrated that installing stormwater quality control measures is not feasible. The County is taking the first step to develop initial parameters for their potential waiver program. The City will review the results of the County's work and consider application to future development projects in Rancho Cordova.

Permitting and Plan Review (Entitlement) Process

Development and redevelopment projects in Rancho Cordova will be conditioned for mitigation of receiving water impacts from urban runoff quality and quantity in the same manner as projects are conditioned in Sacramento County. Figure 9.8-1 is a development review process flowchart which depicts the process followed on projects in Rancho Cordova. The City will continue to route project plans to the County DWR drainage development section for review and approval of drainage and stormwater quality-related features. This process will ensure that development and redevelopment proposals comply with County standards as adopted by the City of Rancho Cordova.

City planning staff will review projects for compliance with other City codes and standards. Compliance with the development standards and the design manual will be a standing discussion item on the agenda for all pre-application meetings conducted by the City.

The City will make sure that the same development standards applied to private development projects are adhered to for public projects.

Maintenance of Stormwater Quality Control Measures

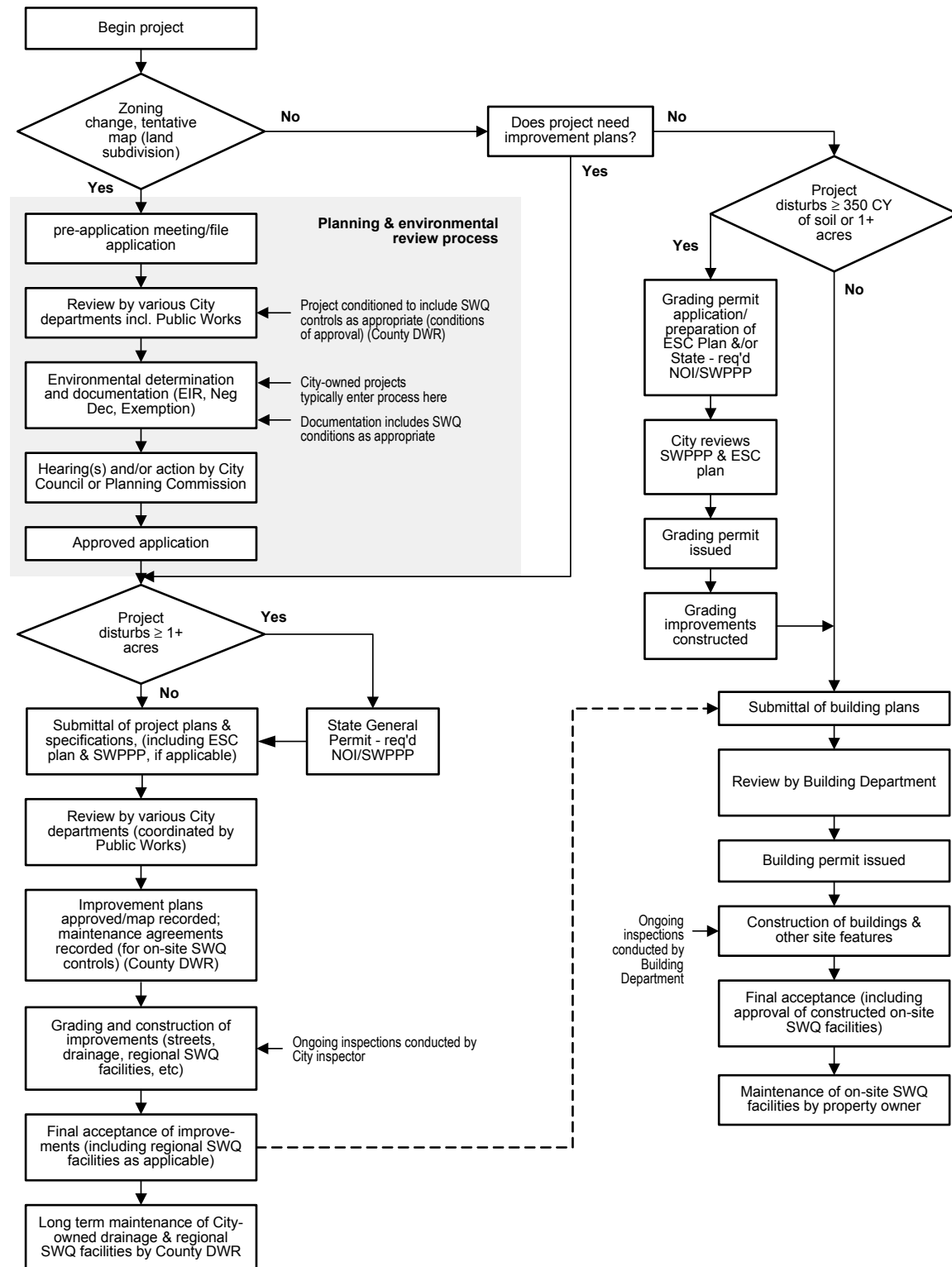
The County, on behalf of the City, will continue to ensure long-term maintenance of treatment control measures on private development by requiring maintenance agreements to be executed before the final approval of the project.

Through the annual refresher training and other opportunities, the City will train its construction inspectors to check for proper installation/operation of stormwater control measures before final acceptance of the project.

Outreach to Educate the Development Community

The City planners and engineers will continue to work collaboratively with the County and other permittees to share information with the development community and promote consistency across municipal boundaries. The City and County will continue to provide technical guidance and design support to help the development community working in Rancho Cordova to comply with stormwater quality requirements. Refer to Chapter 3, Section 3.8 for more information on work that will be conducted by the County on the City's behalf related to outreach.

Figure 9.8-1
City of Rancho Cordova Development Review Process



DWR — County Department of Water Resources; ESC — Erosion and Sediment Control; NOI — Notice of Intent; SWPPP — Stormwater Pollution Prevention Plan; SWQ — stormwater quality

Employee Training

The County drainage engineers involved in Rancho Cordova's new development activities will receive annual refresher training as described in Chapter 3, Section 3.8. In addition, the City's planners and engineers will receive annual training related to hydromodification, LID and other evolving development standards, including how such standards will impact development in Rancho Cordova.

Effectiveness Assessment

The general approach to assessing the effectiveness of the stormwater program and individual program elements is described in Chapter 2. Chapter 3, Section 3.8 describes the assessment methods the County plans to use to evaluate its new development activities, and Table 9.8-1 describes the assessment methods the City will use for its planning activities. The goal will be to move toward outcome levels 2 and 3 (changing awareness and behavior, respectively, of agency staff and the private development/design community) for some tasks. The remaining tasks will continue to be evaluated at outcome level 1 (documenting and confirming permit compliance).




Key indicators have been selected for various tasks to demonstrate progression towards overall stormwater program goals for this particular element. A summary of the status of key indicators will be used to assess overall program effectiveness in the annual reports.

In addition to what is shown on Table 9.8-1, the City will continue to work with other permittees to fund several studies of the effectiveness of local stormwater control measures; see Chapter 2, Section 2.4 for more details.

Effectiveness assessment results will be presented in the annual reports and may be used to recommend modifications to the SQIP.

**Table 9.2-3 – City of Rancho Cordova SQIP
Program Management Element Work Plan for 2008-2013**

Activity/Task	Permit Ref	Key Indic	Performance Standard (Target)	Assessment Method	Schedule						Due Date/ Status/Other
					FY 08/09	FY 09/10	FY 10/11	FY 11/12	FY 12/13	FY 13/14	
Stormwater Quality Improvement Plan (SQIP)											
Revise SQIP to address requirements of Stormwater Permit, Regional Board comments and public review	2		Original SQIP submitted June 2007. First revised SQIP submitted April 30, 2009. Second revised SQIP submitted September 22, 2009.	Confirmation- submit SQIP to Regional Water Board	◆	◆					4/30/2009, 9/22/2009
Propose SQIP modifications as program evolves	3.c, 3d		Any proposed SQIP modifications submitted to Regional Water Board as part of Annual Report	Confirmation- propose necessary SQIP modifications in AR			↔	↔	↔	↔	Oct 1 each year following SQIP approval
Annual Work Plan											
Prepare and submit Annual Work Plan	3.a		Annual Work Plan submitted to Regional Water Board	Confirmation- submit work plan to Regional Water Board	◆	◆	◆	◆	◆	◆	May 1 each year
Annual Report											
Describe completed activities and budget expended for previous fiscal year in AR	3.b		AR submitted to Regional Water Board	Confirmation - submit AR to Regional Water Board	◆	◆	◆	◆	◆	◆	October 1 each year
Permittee Memorandum of Understanding (MOU)											
Maintain/update permittee memorandum of understanding	3.e		Updated MOU submitted to Regional Water Board 4/30/09. Final execution by permittees late 2009.	Confirmation	◆	◆					Submit with SQIP 4/30/2009; execute MOU late 2009

 Ongoing activity/task
  Deliverable or key milestone
  Effectiveness assessment activity (expected outcome level indicated)

Notes: 1. Performance standards achieve effectiveness outcome level 1 unless otherwise indicated
 2. Assessing effectiveness of performance standards may be limited pending availability of baseline data

**Table 9.2-3 – City of Rancho Cordova SQIP
Program Management Element Work Plan for 2008-2013**

Activity/Task	Permit Ref	Key Indic	Performance Standard (Target)	Assessment Method	Schedule						Due Date/ Status/Other
					FY 08/09	FY 09/10	FY 10/11	FY 11/12	FY 12/13	FY 13/14	
Legal Authority											
Evaluate/amend stormwater ordinance to enforce 2008 stormwater permit requirements	4, 5		Document evaluation of stormwater ordinance; adopt necessary amendments (<i>note, amendments to other City ordinances/codes are discussed Sections 9.3 and 9.8</i>)	Confirmation-report any amendments/ provide updated ordinance with AR			◆				1 year following RB approval of SQIP
Submit statement of legal authority from chief legal counsel with revised SQIPs	6		Submit statement of legal authority from chief legal counsel to Regional Water Board	Confirmation-include statement in SQIP	◆				◆		Submit with SQIP 4/30/2009 and ROWD/SQIP 3/15/13
Fiscal Analysis											
Secure resources necessary to meet Stormwater Permit requirements	7		Fiscal summary submitted to Regional Water Board as part of Annual Report		◆	◆	◆	◆	◆	◆	October 1 each year
Report of Waste Discharge											
File a report of waste discharge (ROWD) 180 days before permit expiration	33		Submit ROWD to Regional Water Board. This is a Partnership activity; see Chapter 2, Section 2.2.	Confirmation- ROWD submitted to Regional Water Board by specified date					◆		ROWD due 3/15/2013
Coordination											
Coordinate on program element basis with other County groups and outside agencies	1.b		Track coordination and intra-agency agreements	Tabulation - report number of meetings/groups coordinated with in AR	↔	↔	↔	↔	↔	↔	
Coordinate with outside groups and agencies outside of jurisdictional control	1.c		Track coordination efforts	Tabulation - report number of meetings/groups coordinated with in AR	↔	↔	↔	↔	↔	↔	

↔ Ongoing activity/task ◆ Deliverable or key milestone 2 Effectiveness assessment activity (expected outcome level indicated)

Notes: 1. Performance standards achieve effectiveness outcome level 1 unless otherwise indicated
2. Assessing effectiveness of performance standards may be limited pending availability of baseline data

**Table 9.2-3 – City of Rancho Cordova SQIP
Program Management Element Work Plan for 2008-2013**

Activity/Task	Permit Ref	Key Indic	Performance Standard (Target)	Assessment Method	Schedule						Due Date/ Status/Other
					FY 08/09	FY 09/10	FY 10/11	FY 11/12	FY 12/13	FY 13/14	
Training											
Continue to implement training program for targeted City staff	various		Track training events and number of people participating	Confirmation – describe training accomplishments in AR; Surveys - see program element sections 9.3-9.8	↔	↔	↔	↔	↔	↔	
Program Effectiveness											
Annually: Measure and report program element and activity effectiveness	29.c		Submit effectiveness Assessment results with AR each year (October 1)	Confirmation- include effectiveness assessment results in AR	◆	◆	◆	◆	◆	◆	Submit with annual reports, October 1 each year
Once a permit term: Estimate pollutant loads and evaluate water quality trends in receiving waters			Submit information in final AR for permit term (October 1, 2013). This is a Partnership activity; see Chapter 2, Section 2.3.	Confirmation- submit ROWD and final AR to Regional Water Board						◆	Submit in final AR 10/1/2013
Long Term Effectiveness Assessment (LTEA)											
Describe proposed LTEA for programmatic and environmental goals	29.a		Submit LTEA Plan to Regional Water Board with SQIP. This is a Partnership activity; see Chapter 2, Section 2.3.		◆						Submit with SQIP 4/30/2009
Perform LTEA on program tasks for permit term	29.d		Submit LTEA results to Regional Water Board. This is a Partnership activity; see Chapter 2, Section 2.3.	Confirmation - LTEA submitted to Regional Water Board by specified date					◆		Submit with ROWD 3/15/2013




NA: Not Applicable; SQIP: Stormwater Quality Improvement Plan; AR: Annual Report; ROWD: Report of Waste Discharge

↔ Ongoing activity/task ◆ Deliverable or key milestone 2 Effectiveness assessment activity (expected outcome level indicated)

Notes: 1. Performance standards achieve effectiveness outcome level 1 unless otherwise indicated
2. Assessing effectiveness of performance standards may be limited pending availability of baseline data

**Table 9.3-1 – City of Rancho Cordova SQIP
Construction Element Work Plan for 2008-2013**




Activity/Task	Permit Ref	Key indica	Performance Standard (Target)	Assessment Method	Schedule						Due Date/ Status/Other
					FY 08/09	FY 09/10	FY 10/11	FY 11/12	FY 12/13	FY 13/14	
Legal Authority											
Evaluate/amend stormwater ordinance to enforce 2008 stormwater permit requirements related to control of construction-related pollution	5, 8.a.i		See Section 9.2 (Program Management element)	See Section 9.2			◆				1 year following SQIP approval
Evaluate/amend Land Grading and Erosion Control Ordinance (LGECO)	5, 8.a.i		Evaluate ordinance and recommend/adopt necessary amendments after CGP effective date	Confirmation-report any amendments/ provide updated ordinance with AR			◆				CGP effective date 7/1/2010
Plan Review and Permitting											
Review Grading and Improvement Plans; verify compliance with ordinances and appropriate BMPs included	8.a.ii, 8.c.i-iv	✓	Document percentage of sites incorporating erosion and sediment controls (target is 100% of projects subject to requirements should include appropriate ESC BMPs in plans)	Tabulation - Report data in AR	↔	↔	↔ 3	↔ 3	↔ 3	↔ 3	
Track Grading Permits for projects that require coverage under the State C.G.P.	8.a.ii, 8.c.v		Document number of sites greater than or equal to one acre that submitted proof of an NOI and that a SWPPP has been developed; check for 6 SWPPP items (see list in stormwater permit 8cv)	Tabulation - Report data in AR	↔	↔	↔	↔	↔	↔	
Verify that other applicable regulatory permits have been obtained prior to issuing grading permits	8d		Verify/document compliance with other permits on permit application paperwork.	Confirmation	↔	↔	↔	↔	↔	↔	

 Ongoing activity/task
  Deliverable or key milestone
  Effectiveness assessment activity (expected outcome level indicated)

Notes: 1. Performance standards achieve effectiveness outcome level 1 unless otherwise indicated
 2. Assessing effectiveness of performance standards may be limited pending availability of baseline data

**Table 9.3-1 – City of Rancho Cordova SQIP
Construction Element Work Plan for 2008-2013**

Activity/Task	Permit Ref	Key indica	Performance Standard (Target)	Assessment Method	Schedule						Due Date/ Status/Other
					FY 08/09	FY 09/10	FY 10/11	FY 11/12	FY 12/13	FY 13/14	
Standards & Specifications/BMPs for Controlling Sediment and Pollutants											
Implement standards and specifications to require BMPs for construction sites	8.a.iii, 8.c.i-iv		Require use of County standards/specifications.	Confirmation	↔	↔	↔	↔	↔	↔	
			Adopt County amended standards/specs when available.	Confirmation			◆				
Pollution Control at City-Owned Construction Projects and Other Projects Not Subject to City's Permitting Process											
Maintain coverage under the State's CGP for City projects disturbing 1+ acres	8c, 10a.ii		Document number of municipal projects covered by CGP each year	Tabulation – report data in AR	↔	↔	↔	↔	↔	↔	
For City-owned projects continuing through July 1, 2010, file NOI for coverage under new CGP	8c		Document number of NOIs filed	Tabulation – report data in AR			◆				CGP effective date 7/1/2010
Include provisions in contract specs to ensure compliance with stormwater ordinance and CGP on City-owned construction projects	8c		Evaluate need to amend standard bid/spec language for City-owned projects for consistency with 2008 stormwater permit, new CGP and City ordinances; adopt necessary amendments	Confirmation - provide amended specifications in AR			◆				
Coordinate with utilities, special districts (e.g., schools, RT, parks) and others to ensure compliance with Stormwater Ordinance			Document meetings and coordination activities	Confirmation	↔	↔	↔	↔	↔	↔	
Inventory, Prioritize and Track Active Construction Sites											
Inventory and track active construction sites	8.a.iv		Document number and location of public and private sites subject to Construction General Permit as well as local erosion and sediment controls.	Tabulation - track no. active sites each year	↔	↔	↔	↔	↔	↔	

 Ongoing activity/task
  Deliverable or key milestone
  Effectiveness assessment activity (expected outcome level indicated)

Notes: 1. Performance standards achieve effectiveness outcome level 1 unless otherwise indicated
 2. Assessing effectiveness of performance standards may be limited pending availability of baseline data

**Table 9.3-1 – City of Rancho Cordova SQIP
Construction Element Work Plan for 2008-2013**

Activity/Task	Permit Ref	Key indica	Performance Standard (Target)	Assessment Method	Schedule						Due Date/ Status/Other
					FY 08/09	FY 09/10	FY 10/11	FY 11/12	FY 12/13	FY 13/14	
Prioritize sites for inspection based on threat to water quality and other factors	8b, 8e		Document prioritization method/schedule and sites with high, moderate, low priorities.	Tabulation - track no. active sites each year according to priorities	↔	↔	↔	↔	↔	↔	
Inspections (Public and Private Projects)											
Conduct routine inspections of active construction sites according to priority schedule	8.a.vi, 8e		Update/revise inspection checklist as needed	Inspections; Confirmation – include updated checklist in AR	↔	↔	↔	↔	↔	↔	
Maintain tracking system of inspection data	8.a.v., 8e		Document number of sites subject to inspection and number of inspections completed	Tabulation – record data in AR	↔	↔	↔	↔	↔	↔	
Enforcement (Public and Private Projects)											
Utilize enforcement procedures specified in ordinances	8.a.vii		Evaluate/amend enforcement procedures in conjunction with other ordinance revisions discussed for "legal authority" above	Confirmation - report revisions in AR	↔	↔	↔ ♦	↔	↔	↔	
Notify Regional Water Board about CGP non-filers and when 3 or more violations of local stormwater ordinance at a site.	8.a.vii, 8e		Track referrals made to Regional Water Board for non-filers and chronic violations	Tabulation – track number of referrals and follow-up actions	↔	↔	↔	↔	↔	↔	
Maintain tracking system of enforcement data; track repeat offenders	8.a.v	✓	Decrease in number of chronic violations, repeat offenders and/or non-filer referrals	Tabulation – measure decrease in enforcement as measure of changed behavior	↔	↔	↔	↔	↔ 3	↔	Conduct EA in 12/13 before ROWD is submitted

↔ Ongoing activity/task ♦ Deliverable or key milestone 2 Effectiveness assessment activity (expected outcome level indicated)

Notes: 1. Performance standards achieve effectiveness outcome level 1 unless otherwise indicated
2. Assessing effectiveness of performance standards may be limited pending availability of baseline data

**Table 9.3-1 – City of Rancho Cordova SQIP
Construction Element Work Plan for 2008-2013**

Activity/Task	Permit Ref	Key indica	Performance Standard (Target)	Assessment Method	Schedule						Due Date/ Status/Other
					FY 08/09	FY 09/10	FY 10/11	FY 11/12	FY 12/13	FY 13/14	
Interdepartmental Coordination											
Maintain internal coordination to ensure compliance	8f		Document coordination activities	Confirmation	↔	↔	↔	↔	↔	↔	
Education and Training (Internal and External)											
Conduct annual refresher training for City and contractor staff involved in construction	8.a.viii		Target 100% City and contractor staff receive annual refresher training.	Confimration/ Tabulation	↔	↔	↔	↔	↔	↔	
Ensure City staff possess CGP-required qualifications if writing/ implementing SWPPPs	8c, 10a.ii	✓	Staff performing QSD/P duties possess required registration/certification per CGP	Confirmation/Tabulation - number of qualified staff			◆				CGP effective date 7/1/2010
			Staff performing QSD/P duties complete State-approved or sponsored training course per CGP	Confirmation/Tabulation - number of qualified staff			◆			9/2/2011 (per new CGP)	
Distribute pre wet season notifications to active construction projects	8.a.viii		Send out a wet season procedure letter to active construction sites. Wet season is defined as October 1 to April 30.	Tabulation – track number of letters sent	↔	↔	↔	↔	↔	↔	
Distribute educational literature to construction community	8.a.viii		Continue to distribute educational brochures during inspections and at training events	Tabulation – track number/type of materials distributed	↔	↔	↔	↔	↔	↔	
Conduct training for the construction community	8.a.viii		Conduct at least one workshop/year (target is pre-wet season)	Tabulation – track training activities performed.	↔	↔	↔	↔	↔	↔	
Assess effectiveness of training	8.a.ix	✓	Increased awareness of construction community as a result of training	Surveys – meaire raised awareness based on quizzes/surveys at training events			2	2	2	2	

↔ Ongoing activity/task ◆ Deliverable or key milestone 2 Effectiveness assessment activity (expected outcome level indicated)

Notes: 1. Performance standards achieve effectiveness outcome level 1 unless otherwise indicated
2. Assessing effectiveness of performance standards may be limited pending availability of baseline data

**Table 9.5-1 – City of Rancho Cordova SQIP
Municipal Operations Element Work Plan for 2008-2013**

Activity/Task	Permit	Key	Performance Standard (Target)	Assessment Method	Schedule						Due Date/
	Ref	Indica			FY 08/09	FY 09/10	FY 10/11	FY 11/12	FY 12/13	FY 13/14	Status/Other
Illicit Discharge Response											
Respond quickly and appropriately if an illicit discharge threatens to enter or enters the storm drain system	10.a.i.		Refer to Illicit Discharge Element, Section 9.6		↔	↔	↔	↔	↔	↔	
New Development and Construction Requirements for Municipal Capital Improvements Projects											
Implement standards that require BMPs to reduce pollutants from Permittee owned development and construction projects as specified in the New Development and Construction Elements	10.a.ii., 10.b.i		Refer to Construction (Section 9.3) and New Development (Section 9.8) Elements		↔	↔	↔	↔	↔	↔	
Facility Management											
Implement pollution prevention BMPs for public facilities (e.g., corporation yards, material storage facilities, and vehicle/equipment maintenance facilities) having the potential to discharge pollutants to the storm drain system.	10.a.iii. , 10.b.ii.		The City of Rancho Cordova does not own or operate any such facility. If new facilities meeting these criteria are brought on-line in the future, BMPs will be implemented in accordance with this requirement	NA	↔	↔	↔	↔	↔	↔	
Integrated Pest Management Program											
Implement integrated pest management (IPM) and pesticides storage, usage, and disposal procedures as described in the Pesticide Plan	10.a.iv. , 10.b.iii.		Decrease amount of pesticides and herbicides used by City staff and contractors	Confirmation - Track and report activities	↔	↔	↔	↔	↔	↔	



Ongoing activity/task



Deliverable or key milestone



Effectiveness assessment activity (expected outcome level indicated)

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**Table 9.5-1 – City of Rancho Cordova SQIP
Municipal Operations Element Work Plan for 2008-2013**

Activity/Task	Permit	Key	Performance Standard (Target)	Assessment Method	Schedule						Due Date/
	Ref	Indica			FY 08/09	FY 09/10	FY 10/11	FY 11/12	FY 12/13	FY 13/14	Status/Other
Storm Drain System Maintenance											
Maintain the storm drain system (e.g., drain inlets, ditches/channels, detention basins) to remove debris accumulation and prevent flooding	10.a.v. , 10.b.iv.	✓	Decrease amount of sediment discharged to waters of the State. Sacramento County performs this activity on behalf of the City of Rancho Cordova. County will document amount of sediment removed. See Chapter 3, Section 3.5 for County procedures.	Quantification - Track quantities of sediment removed annually	↔	↔ 4	↔ 4	↔ 4	↔ 4	↔ 4	
Clean prioritized catch basins and sumps			County will document maintenance activities and amount of sediment/debris removed.	Quantification - Track quantities of sediment removed annually	↔	↔	↔	↔	↔	↔	
Visually monitor permittee owned open channels and perform maintenance based upon sediment and trash accumulation			County will document maintenance activities and amount of sediment/debris removed.	Quantification - Track quantities of sediment removed annually	↔	↔	↔	↔	↔	↔	
Detention Basin Maintenance											
Implement Detention Basin Operation and Maintenance Program	10.b.vii.		County will document maintenance activities and amount of sediment/debris removed. See Chapter 3, Section 3.5 for County procedures.	Confirmation / Tabulation- Track number of activities performed	↔	↔	↔	↔	↔	↔	
Storm Drain Inlet Marking Program											
Ensure that storm drain inlets are properly and legibly marked to discourage illicit discharges into the storm drain system	10.a.vi		County will document number of storm drain inlets labeled or re-labeled by County crews	Tabulation - Track number of inlets marked each year	↔	↔	↔	↔	↔	↔	
			County will replace illegible markers discovered during field activities	Tabulation - Track number of inlets marked each year	↔	↔	↔	↔	↔	↔	

↔ Ongoing activity/task ◆ Deliverable or key milestone ② Effectiveness assessment activity (expected outcome level indicated)

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**Table 9.5-1 – City of Rancho Cordova SQIP
Municipal Operations Element Work Plan for 2008-2013**

Activity/Task	Permit Ref	Key Indica	Performance Standard (Target)	Assessment Method	Schedule						Due Date/ Status/Other
					FY 08/09	FY 09/10	FY 10/11	FY 11/12	FY 12/13	FY 13/14	
Operation and Maintenance of Transportation Facilities											
Street Sweeping for Curbed Streets											
Conduct street sweeping activities as described in Section 9.5 and Appendix 9B	10.a.vii. , 10.b.v.	✓	Decrease amount of sediment discharged to Waters of the State.	Quantification - Track quantities of sediment removed annually	↔	↔ 4	↔ 4	↔ 4	↔ 4	↔ 4	
Maintenance for Roads and Roadside Vegetation											
Implement BMPs during road maintenance and construction activities to prevent road maintenance materials, street sweeper rinse out water, concrete chute rinse water, and saw cutting slurry from discharging to the storm drain system.	10.a.vii. , 10.b.v.		Decrease amount of sediment discharged to Waters of the State.	Quantification - Track quantities of sediment removed annually	↔	↔	↔	↔	↔	↔	
Maintenance of City-Owned Parking Lots											
Maintain City-owned parking facilities to minimize the build-up and discharge of pollutants to the storm drain system	10.a.viii., 10.b.vi.		Document acres maintained and type of maintenance annually	Tabulation - Track number/acres of facilities and activities performed	↔	↔	↔	↔	↔	↔	
Waste Management Services											
Continue to provide weekly curbside pickup of residential solid and green waste, recyclables and waste oil.			Document quantities properly disposed of.	Quantification - Track quantities of waste removed annually	↔	↔	↔	↔	↔	↔	



Ongoing activity/task



Deliverable or key milestone






Effectiveness assessment activity (expected outcome level indicated)

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**Table 9.5-1 – City of Rancho Cordova SQIP
Municipal Operations Element Work Plan for 2008-2013**

Activity/Task	Permit	Key	Performance Standard (Target)	Assessment Method	Schedule						Due Date/ Status/Other
	Ref	Indica			FY 08/09	FY 09/10	FY 10/11	FY 11/12	FY 12/13	FY 13/14	
Fire Emergency and Non-Emergency Operations/Response											
Permittees having a fire protection agency within their jurisdictional control shall develop and implement a response plan to minimize the impacts of fire fighting flows to the environment. BMPs must be implemented to reduce pollutants from non-emergency fire fighting flows (i.e., flows from controlled or practice blazes) identified by the Permittees to be significant source of pollutants to waters of the State. The response plan and BMPs shall be updated and submitted with the Annual Reports.	10.a.ix. , 10.b.ix.		Sacramento Metro Fire District (special district; outside of City's jurisdictional control) is the fire agency for the City of Rancho Cordova.	NA							
Employee Training											
Provide training to targeted employees to increase awareness of BMPs/pollution prevention practices	10.a.x. , 10.b.x		Conduct training annually to targeted County agencies	Tabulation - Track number of employees trained and training activities	◆	◆	◆	◆	◆	◆	
Assess effectiveness of employee training	10.a.xi, 10.b.xi	✓	Maintained/Increased employee awareness as measured by quizzes during annual training	Surveys – measure raised awareness based on quizzes at training events		2	2	2	2	2	

 Ongoing activity/task
  Deliverable or key milestone
  Effectiveness assessment activity (expected outcome level indicated)

Notes: 1. Performance standards achieve effectiveness outcome level 1 unless otherwise indicated
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**Table 9.6-1 – City of Rancho Cordova SQIP
Illicit Discharge Element Work Plan for 2008-2013**

Activity/Task	Permit Ref	Key Indica	Performance Standard (Target)	Assessment Method	FY 08/09	FY 09/10	Schedule		FY 10/11	FY 11/12	FY 12/13	FY 13/14	Due Date/ Status/Other
Legal Authority													
Evaluate/amend storm water ordinance to enforce 2008 stormwater permit requirements related to control of illicit discharges	5, 11.a.i		See Section 9.2 (Program Management element)	See Section 9.2					◆				1 year after approval of SQIP by RB
Reporting of Illicit Discharges and Connections													
Continue to utilize Partnership public hotline (808-4H20) for reporting of illicit discharges and connections, and route callers to the County for assistance on City-related issues or complaints	11.a.ii ; 11.b.v		Maintain hotline.	Confirmation/Tabulation - The County will track number of complaints received through 808-4H20 and CUBS Nuisance Abatement	↔	↔	↔	↔	↔	↔	↔	↔	Reported in AR yearly
The County will continue to maintain a hotline for County crews to report illicit discharges and connections within the City	11.a.ii		Decrease in number of reports of illicit discharges and connections reported by County crews	Tabulation - The County will track number of reports from County crews received through 874-4SWQ and other mechanisms	↔	↔	↔	↔	↔	↔ 3	↔	↔	Reported in AR yearly, EA due 12/13 before ROWD
Screening for Illicit Connections													
The County will continue to conduct ongoing field screening for illicit connections through routine maintenance activities being conducted by field crews	11.a.ii ; 11.b.ii		Decrease in number of illicit connections detected by field screening activities since last permit term	Tabulation - The County will include number of illicit connections detected via field screening activities in AR	↔	↔	↔	↔	↔	↔ 3	↔	↔	Reported in AR yearly, EA due 12/13 before ROWD

↔ Ongoing activity/task ◆ Deliverable or key milestone 2 Effectiveness assessment activity (expected outcome level indicated)

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**Table 9.6-1 – City of Rancho Cordova SQIP
Illicit Discharge Element Work Plan for 2008-2013**

Activity/Task	Permit	Key	Performance Standard (Target)	Assessment Method	Schedule						Due Date/ Status/Other
	Ref	Indica			FY 08/09	FY 09/10	FY 10/11	FY 11/12	FY 12/13	FY 13/14	
Investigations of Illicit Discharges and Connections											
The County will continue to conduct investigations of illicit discharges (hazardous and non-hazardous)	11.a.iv ; 11.b.iii		Reports of non-hazardous illicit discharges (including active illicit connections) will be investigated within 5 business days; reports of suspected hazardous illicit discharges (including active illicit connections) will be investigated within 1 business day.	Confirmation - The County will include number of investigations conducted in AR	↔	↔	↔	↔	↔	↔	Reported in AR yearly
		✓	Decrease in number of illicit discharges investigated since last permit term	Tabulation					3		EA due 12/13 before ROWD
The County will continue to conduct investigations of illicit connections	11.a.iii ; 11.b.ii		Reports of illicit connections not actively discharging to the storm drain system and suspected illicit discharges/connections indicated by evaluations of dry weather monitoring data will be investigated within 21 business days.	Confirmation - The County will include number of illicit connection investigations conducted in AR	↔	↔	↔	↔	↔	↔	Reported in Are yearly
		✓	Decrease in number of illicit connections investigated since last permit term	Tabulation					3		EA due 12/13 before ROWD
Illicit Discharge and Connection Response, Containment and Cleanup											
The County will continue to maintain response, containment and cleanup procedures	11.b.iii		Maintain response, containment and clean up procedures	Confirmation - Report revisions in AR	↔♦	↔	↔	↔	↔	↔	Reported in AR yearly, update due 09/10
The County will continue to respond to, contain and clean up illicit discharges	11.a.iv ; 11.b.iii	✓	Decrease in number of responses, containment and cleanup of illicit discharges since last permit term	Tabulation - The County will track number of illicit discharge responses	↔	↔	↔	↔	↔3	↔	Reported in AR yearly, EA due 12/13
The County will continue to respond to and abate illicit connections	11.a.iii ; 11.b.ii	✓	Decrease in number of responses and abatements of illicit connections since last permit term	Tabulation - The County will track number of illicit connections abated	↔	↔	↔	↔	↔3	↔	Reported in AR yearly, EA due 12/13

↔ Ongoing activity/task ♦ Deliverable or key milestone 2 Effectiveness assessment activity (expected outcome level indicated)

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**Table 9.6-1 – City of Rancho Cordova SQIP
Illicit Discharge Element Work Plan for 2008-2013**

Activity/Task	Permit Ref	Key Indica	Performance Standard (Target)	Assessment Method	FY 08/09	FY 09/10	Schedule		FY 10/11	FY 11/12	FY 12/13	FY 13/14	Due Date/ Status/Other
Enforcement													
The County will revise enforcement policy as needed			Revised enforcement policy (if needed)	Confirmation - The County will report revisions in AR	↔	↔	↔	↔	↔	↔	↔	↔	Reported in AR yearly
The County will continue to conduct enforcement (e.g., warnings, NOVs, Cease and Desist Orders, ACPs, and Cost Recoveries)	11.b.iv	✓	Decrease in number of enforcement actions since last permit term	Tabulation - The County will track number of enforcement actions conducted	↔	↔	↔	↔	↔	↔ 3	↔	↔	Reported in AR yearly, EA due 12/13
Data Management													
The County will continue to maintain database to track its investigations, enforcement actions and outreach materials distributed	11.a.v		Maintain database	Confirmation - The County will report revisions in AR	↔	↔	↔	↔	↔	↔	↔	↔	Reported in AR yearly
The County will continue to map the locations of confirmed illicit discharges and connections to help identify areas of targeted outreach			Complete map with locations of confirmed illicit discharges and connections; Utilize to help identify areas of targeted outreach	Confirmation - The County will submit map and report revisions in AR	↔	↔	↔	↔	↔	↔	↔	↔	Reported in AR yearly
Outreach/Training													
The County will continue to distribute educational materials to public, and document/quantify materials distributed			Track number/type of materials distributed	Confirmation/Tabulation - The County will track number of brochures distributed	↔	↔	↔	↔	↔	↔	↔	↔	Reported in AR yearly
Conduct annual training Re: field screening and illicit discharge response for crews	11.b.vi		Track number of employees trained (County and City construction inspectors, etc.)	Tabulation - Track number of workshops held, number of people reached	↔	↔	↔	↔	↔	↔	↔	↔	Reported in AR yearly
			Maintained/Increased employee awareness as measured by quizzes during annual training	Surveys – measure raised awareness based on quizzes at training events		2	2	2	2	2	2		

↔ Ongoing activity/task ♦ Deliverable or key milestone 2 Effectiveness assessment activity (expected outcome level indicated)

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**Table 9.6-1 – City of Rancho Cordova SQIP
Illicit Discharge Element Work Plan for 2008-2013**

Activity/Task	Permit	Key	Performance Standard (Target)	Assessment Method	Schedule						Due Date/ Status/Other
	Ref	Indica			FY 08/09	FY 09/10	FY 10/11	FY 11/12	FY 12/13	FY 13/14	
Facilitation of Proper Household Hazardous Waste Disposal											
Continue to provide pickup services for used motor oil with solid waste vendor, and maintain satellite facilities for universal waste disposal			See Section 9.5								
The County will continue to maintain operation of the County's household hazardous waste drop-off centers		✓	Sustained quantities of household hazardous waste collected from public since previous permit term	Tabulation - The County will track amounts of HHW collected at County sites	↔	↔	↔	↔	↔ 3	↔	Reported in AR yearly, EA due 12/13 before ROWD

↔ Ongoing activity/task ◆ Deliverable or key milestone 2 Effectiveness assessment activity (expected outcome level indicated)

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**Table 9.7-1 – City of Rancho Cordova SQIP
Public Outreach Element Work Plan for 2008-2013**

Activity/Task	Permit Ref	Key Indica	Performance Standard (Target)	Assessment Method	Schedule						Due Date/ Status/Other
					FY 08/09	FY 09/10	FY 10/11	FY 11/12	FY 12/13	FY 13/14	
The activities described in this table are in addition to regional Public Outreach activities described in Chapter 2 (Section 2.6).											
Public Outreach											
Educate and inform City managers and elected officials through presentations and other means; invite to public community events	12.a.iii, b.iii		Document/quantify impressions made in annual report	Tabulation-track no. of people educated each year	↔	↔	↔	↔	↔	↔	Report in AR (Oct 1 ea yr)
Create and maintain stormwater web page on City's web site to educate and inform general public, advertise public reporting hotline, and provide links for resources.	12.a.iii, b.iii		Submit completed web page link with annual report.	Confirmation		◆	↔	↔	↔	↔	Create web site during 09-10 FY
Periodically publish articles regarding stormwater pollution prevention in City Views newsletter or other appropriate local media.	12.a.iii, b.iii		Describe articles and provide copies with annual report	Confirmation	↔	↔	↔	↔	↔	↔	Report in AR (Oct 1 ea yr)
Continue to target neighborhoods for Spring Neighborhood Cleanup and Annual Urban Creeks Council Creek Week events through the Strong Neighborhoods Initiative Program.	12.a.i and iii, b.i and iii		Quantify waste/debris collected during cleanup events (partial measure of amount of materials prevented from polluting local creeks)	Tabulation - provide numbers in annual report		↔	↔	↔	↔	↔	Report in AR (Oct 1 ea yr)
	12.a.vi, 12.b.vi	✓	Document increases in number of volunteers engaged in the cleanup activities from year to year	Tabulation - track increased no. participants as measure of changed behavior		3	3	3	3	3	Report in AR (Oct 1 ea yr)
Sponsor and staff stormwater booth at local community events (e.g., Fourth of July celebration)	12.a.i and iii, b.i and iii		Document approximate number of residents and others reached at each event; track quantities of literature distributed	Tabulation - provide numbers in annual report		↔	↔	↔	↔	↔	Report in AR (Oct 1 ea yr)
Watershed Stewardship											
Continue to provide in-kind service support to Laguna Creek Watershed Council & Upper Laguna Creek Collaborative	63b, 12.ai&iii., 12.bi&iii.		Represent County at meetings and public events; review and comment on ULCC Master Plan components	Tabulation - track number of meetings attended, outcomes	↔	↔	↔	↔	↔	↔	Report in AR (Oct 1 ea yr)




↔ Ongoing activity/task ◆ Deliverable or key milestone 2 Effectiveness assessment activity (expected outcome level indicated)

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2. Assessing effectiveness of performance standards may be limited pending availability of baseline data

TABLE 9.7-1: 1

**Table 9.8-1 –City of Rancho Cordova SQIP
New Development Element Workplan for 2008-2013**

Activity/Task	Permit Ref	Key Indica	Performance Standard (Target)	Assessment Method	Schedule						Due Date/ Status/Other
					FY 08/09	FY 09/10	FY 10/11	FY 11/12	FY 12/13	FY 13/14	
Incorporation of Water Quality Protection Principles into Plans, Policies and Procedures											
Continue to implement General Plan policies (Rancho Cordova GP already addresses WQ protection)	13.a, 16		City will evaluate need for further revisions to General Plan when Natural Resources Element is next updated.	Confirmation – report revisions in AR	↔	↔	↔	↔	↔	↔	
Development Standards and Technical Guidance											
Amend development standards to require LID for development projects	15.b		County development standards and guidance apply to projects in Rancho Cordova. Amend development standards to require implementation of LID strategies.	Confirmation - report revisions in AR			◆				6 months after approval of Phase 1 HMP.
	15.b, 26		Reflect LID criteria in the updated Stormwater Quality Design Manual.	Confirmation - report revisions in AR				◆			6 months after amending the development standards.
Develop HMP Work plan as part of the revised SQIP.	15.c		Partnership will outline the proposed steps to develop the HMP and possible technical methodologies to design the mitigation measures.	Confirmation - develop HMP work plan and pilot project. Submit work products to Regional Water Board.	◆	◆					Submitted draft 4/30/09. Submitted revision 9/22/09
Develop HMP	15.c		Partnership will develop an applicability map showing where hydromodification management measures will apply in Sacramento. Develop interim criteria to comply with the hydromodification requirements.	Confirmation - Submit work products to Regional Water Board		↔	◆				1 year after approval of the HMP work plan
			Develop susceptibility map and mitigation measures based on detailed risk analysis	Confirmation - Submit work products to Regional Water Board			↔	↔			

 Ongoing activity/task
  Deliverable or key milestone
  Effectiveness assessment activity (expected outcome level indicated)

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**Table 9.8-1 –City of Rancho Cordova SQIP
New Development Element Workplan for 2008-2013**

Activity/Task	Permit Ref	Key Indica	Performance Standard (Target)	Assessment Method	Schedule						Due Date/ Status/Other
					FY 08/09	FY 09/10	FY 10/11	FY 11/12	FY 12/13	FY 13/14	
Amend development standards to require hydromodification management for development projects	15.c, 26		Amend development standards (interim HMP design criteria based on Phase 1 work	Confirmation - report revisions in AR			◆				6 months after approval of Phase 1 HMP.
			Reflect hydromodification criteria in the updated Stormwater Quality Design Manual.	Confirmation - report revisions in AR				◆			6 months after amending the development standards
			Amend development standards and design manual to incorporate final HMP design criteria based on Phase 2 work	Confirmation - report revisions in AR					↔		6 months after finalizing the HMP.
Evaluate need for a mitigation fund	19		Based on need, County will develop a mitigation fund framework to support regional stormwater projects.	Confirmation – develop framework when needed and submit to regional Board.							
Develop a waiver program	20		County will propose a waiver program that would require developers with qualified projects to transfer the savings in cost to a stormwater mitigation fund. Waivers shall be granted only when structural treatment control measures are infeasible.	Confirmation - develop a waiver program and describe activities in revised SQIP.	↔	↔	↔	◆			
Protect groundwater quality	23		Partnership will integrate restrictions regarding the use of infiltration facilities in areas of high groundwater table into design criteria/design manual	Confirmation - identify restrictions and incorporate into the design criteria.	↔	↔	↔	↔	↔	↔	



Ongoing activity/task



Deliverable or key milestone



Effectiveness assessment activity (expected outcome level indicated)

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**Table 9.8-1 –City of Rancho Cordova SQIP
New Development Element Workplan for 2008-2013**

Activity/Task	Permit Ref	Key Indica	Performance Standard (Target)	Assessment Method	Schedule						Due Date/ Status/Other
					FY 08/09	FY 09/10	FY 10/11	FY 11/12	FY 12/13	FY 13/14	
Conditions of Approval and Plan Review											
Condition projects to comply with stormwater quality development standards at various stages of the approval process.	13.b-d, 13.f, 14, 15, 17		This activity is performed by Sacramento County on City's behalf. County will track and record number of projects conditioned in the City.	Tabulation - track number of projects conditioned and report in Annual Report.	↔	↔	↔	↔	↔	↔	
Condition projects to comply with LID requirements	15.b		County will condition priority development projects in the City to incorporate low impact development strategies.	Tabulation – track number of projects conditioned and report in Annual Report.				◆ ↔	↔	↔	
Condition projects to comply with HMP requirements	15.c		County will condition priority development projects located in susceptible areas to incorporate hydromodification management measures.	Tabulation – track number of projects conditioned and report in Annual Report.				◆ ↔	↔	↔	
Track priority projects that have been approved to construct treatment control measures.	22		County will update database of priority projects in Rancho Cordova.	Tabulation - track number of projects that completed the construction of treatment control measures and report in Annual Reports.	↔	↔	↔	↔	↔	↔	
	13.i	✓	Increase in number of priority projects that incorporated treatment measures.	Tabulation - Compare # of acreage treated to total acreage developed and report in Annual Report.			3	3	3	3	

↔ Ongoing activity/task ◆ Deliverable or key milestone ② Effectiveness assessment activity (expected outcome level indicated)

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**Table 9.8-1 –City of Rancho Cordova SQIP
New Development Element Workplan for 2008-2013**

Activity/Task	Permit	Key	Performance Standard (Target)	Assessment Method	Schedule						Due Date/ Status/Other
	Ref	Indica			FY 08/09	FY 09/10	FY 10/11	FY 11/12	FY 12/13	FY 13/14	
Stormwater Maintenance Agreement											
Require applicable developments to provide verification of maintenance provisions for post-construction structural and treatment control measures.	13.b, 13.e, 18		Require maintenance agreements for on-site stormwater quality treatment control measures	Tabulation and Confirmation – track number of executed maintenance agreements and report in Annual Report.	↔	↔	↔	↔	↔	↔	
Require property owners to self-certify the maintenance of the treatment measures on their sites annually	13.b, 13.e, 18		Document number of self-certification request letters sent to property owners, responses and follow-up action	Tabulation – track number of responses to self-certification requests.	↔	↔	↔	↔	↔	↔	
Outreach and Training											
Conduct outreach to the development community about the latest stormwater quality policies and requirements.	24		Continue outreach about the Planning and New Development Program Element	Tabulation - track number/type events, number materials distributed, etc. in AR	↔	↔	↔	↔	↔	↔	
	13.i	✓	Maintained/increased awareness of development community training attendees	Surveys – measure raised awareness based on quizzes/surveys at training events		2	2	2	2	2	
Provide annual training to employees in targeted positions.	13.h, 25		Conduct annual refresher training to affected staff.	Tabulation – track number of employees trained and report outcome in the Annual Report.	↔	↔	↔	↔	↔	↔	
	13.i	✓	Maintained/increased awareness of targeted City staff as a result of training	Surveys – measure raised awareness based on quizzes/surveys at training events		2	2	2	2	2	



Ongoing activity/task



Deliverable or key milestone



Effectiveness assessment activity (expected outcome level indicated)

Notes: 1. Performance standards achieve effectiveness outcome level 1 unless otherwise indicated
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